(JAVA) SUMATRA NGS

[illegible], on path from Curugnangka to summit.
19 October 1988

1040 Lycopodium phlegmaria Lycopodiaceae
Ephypite on tree trunk, mixed together with moss, on shade place; c. 1600 m. Frond hanging down up to c. 20 cm; leaflets shining green.

1041 Sonnerilla
Common on shade place and moist; c. 600 m.
Herb c. 0.25 m tall; leaf violet underneath; flower violet.

1042 Argostemma
Habitat idem 1041.
Herb c. 0.15 m tall; calyx dark green; petal pure white; anther yellow.

1043 Thymelaceae
Habitat idem 1041; common.
Small tree c. 5 m tall; diameter 12 cm; flower white.

1044 Orchidaceae
Common.
Ephyte on tree trunk with moss c. 2 m above ground; flower orange.

1046 Lycopodium
Common on shade and moist soil; locally; c.1800 m.
Erect herb c. 0.25 m tall; leaf shining green; indusium pale [illegible] yellow.

1045 Polypodiaceae
Common on moist soil, from shade-slightly open.
Sori blackish, frond shining green.

1047 Lycianthus
Herb c. 0.75 m tall; flower pure white; anther pure yellow; fruit bright red.

Common on moist and shade place.

1048 Ophiorrhiza Rubiaceae

Common on moist and shade 1600-1925.m alt.

Herb c. 0.75 m tall, leaves dull green underneath; flower white blush pale violet on the tube; fruit violet.

1049 Diplicosia heterophylla Ericaceae

Undershrub c. 0.75 m tall, much branched; ripe fruit blackish.

Epiphyte c. 2 m above ground, slightly open place.

1050 Diplicosia sp. Ericaceae

Undershrub c. 0.50 m tall; young leaf pinkish; fruit green.

Epiphyte c. 2 m tall , slightly open place.

1051 Rhododendron album Ericaceae

Undershrub c. 0.50 m tall; leaf brownish underneath dense scale.

Epiphyte c. 3 m above ground.

1052 Rhododendron retusum Ericaceae

Undershrub c. 0.50 m, much branched; flower bright red.

Epiphyte c. 3 m above ground; common.

1053 Selaginella Selaginellaceae

Climbing frond c. 3 m tall; stiff; leaf bright green; sori pale green.

Terestrial fern, common on shade-slightly open place.

1054 Astronia Melastomataceae

Tree c. 10 m tall; diameter c. 10 cm; leaf brownish; petal white; anther pink; fruit brownish.

Common especially open place.

1055 Orchidaceae

Flower cream.

Epiphyte on trunk c. 3 m tall, with moss.

1056 (?) Bulbophyllum Orchidaceae

Flower orange, dark red in the centre.

Epiphyte on trunk and branched together with moss; slightly open place. 1800 m.

1057 Hypericum Hypericaceae

Shrub c. 0.75 m tall; flower bright yellow.

Common on open place.c. 2000 m.

1058 ?

Shrub c. 2 m tall; flower pure white.

Moist forest. c. 2000 m

1059 Nepenthes Nepenthaceae

Climber to 4 m tall; pitch green; corolla reddish brown.

Moist forest c. 2000 m.

1060 Symplocos Symplocaceae

Small tree c 6 m tall; corolla white, filament pale yellow.

1061 Hymenophyllum Hymenophyllaceae

Growth on trunk on shade and moist place. c. 1800 m.

Frond dark green.

1062 Hymenophyllum Hymenophylaceae

hab. idem 1061

1063 Hymenophylum Hymenophylaceae

Hab. idem 1061

1064 Rubiaceae

Shrub c. 2 m tall; floer white; fuit yellow.

1065 Zingiberaceae

Spurious stem c. 4 m tall; stem base with swollen tuber, pink; first leaf c. 1 m tall. Bassaly inflorescens, without pedunele; outermost bract pink, inner bract subternding flower white; flower pink,white at the margin; stamen dark purple above, pink below.

1066 Rhododendron javanicum Ericaceae

Terrestrial; undershrub c. 2 m tall; flower reddish orange; stigma and filament dark red. Common and often epiphyte. C. 1800 m.

1067 Aeschynanthus Gesneriaceae

Epiphyte about 3-4 m above ground, on tree trunk on moist forest; c. 2000 m. Corolla tube sealing-wax red.

1068 Ardisia Myrsinaceae

Shrub c. 2 m tall; fruits reddish-brown. Near summit, 2100 m.

1069 Ardisia Myrsinaceae

Shrub c. 2 m tall. Fruits reddish brown.

Near summit, 2100 m.

1070 Orchidaceae

Terrestrial herb c. 0.75 m tall; flower green.

On shade and moist place, c. 1800 m.

1071 Dendrobium Orchidaceae

Epiphyte on moss at tree trunk, shade place.

Calyx yellow, corolla white with purple strips; stamen yellow underneath.

1072 Dendrobium Orchidaceae

Epiphyte on tree trunk c. 3 m tall; shade place, c 1800 m

Stem purple; flowers violet.

1073 Dendrobium

Epiphyte about 2.5 m above ground, c. 1800 m.

Corolla pale lilack with yellow on the centre.

1074 Eria Orchidaceae

Epiphyte about 3 m above ground, c. 1800 m.

Flowers pinkish white, brown in the centre.

1075 Neertera granadensis Rubiaceae

Creeping herb, berry orange.

Common on moist and shade place, c. 1800 m.

1076 Orchidaceae

Terestrial; flower pale yellow.

On moist and shade place, c. 1800 m.

1077

Tigapuluh Mauntain - Sumatra

4 November 1988.

1077 Anonaceae

Climber c. 20 m tall; diam. 10 cm; fruit bright red.

Scattered. BO,AA,R(6)

1078 ?

Leaf brownish underneath especially when young; fruit dark green. BO,AA,R(5)

1079 Aporosa Euphorbiaceae

Shrub c. 4 m tall; diam. 3 cm; leaf shining green; fruits orangish greem.

Scattered. BO,AA,R(10)

1080 Saurauia Actinidiaceae

Small tree c. 4 m tall; calyx pale green; petal pure white; anther yellow.

Scattered. BO,AA,R(11)

1081 Rinorea Violaceae

"rambutan pacet". Tree c. 6 m tall, dian c. 10 cm; much branched; fruit pale green.

Common. BO,AA(2),R(11)

1082 Melastomataceae

Undershrub c. 2 m tall; diam 2 cm; petiole brownish; calyx tube pale green; corolla purplish white.

Common especially on shade place. BO,AA,R(8).

1083 Selaginella Selaginellaceae

Herba c. 20 cm tall; leaf brownish green, bright silvery underneath.

Common on moist and shade place, along riversides.

BO,AA,R(7)

1084 Dissochaeta Melastomataceae

Climber c. 3 m tall; diam 2 cm; corolla pure white, anther yellow, stigma pinkish; fruit gree flush purple.

"Keduduk akar". On logging road sides. BO,AA,R(6)

1085 Aristolochiaceae

Climber c. 3 m tall; diam c. 1 cm; leaves gloucaus green; flowers yellowish green. "Combo hitam palo"

On logging road sides, scattered. BO,AA,NCI,R(4)

1086 Geunsia Verbenaceae

Small tree c. 6 m tall; diam c. 10 cm; Calyx tube gree, corolla tube white, lobes&stamen&stigma&anther purple.

"Situhah"; wood used for firewood.

Open secondary forest, along logging roadsides, common.

BO,AA,R(10)

1087 Sapium baccatum Euphorbiaceae

Small tree c. 7 m tall; diam c. 10 cm; young leaf pink; flower green; white sap.

Hab. idem 1086. BO,AA,NCI,R(3)

Primary forest

1088 Psychotria Rubiaceae

Climber c. 6 m tall; leaf glossy underneath; flower bud gloucous green; berry green.

Scattered. BO,AA,R(4)

1089 Polyalthia ? sumatrana Anonaceae

Tree c. 9 m tall; diam c. 13 cm; leaf gloucous underneath; fruit green; "topisan"; bark for rope; wood for forniture.

Common. BO,AA,R(11)

1090 Pinanga Arecaceae

Solitary, stem c. 3 m tall; diam c. 3 cm; inflorescence c. 2.5 m above ground; leaf sheath 20 cm; rakhis 70-80 cm; fruit purplish; "pinang", young seed edible.

Common. BO,AA,R(1)

1091 - Arecaceae

Solitary, stem c. 2 m tall; leaf 2.8 m long; stalk 70 cm; bract pinkish; stigma yellowish; fruit brown, edible when young.

Common. BO,AA,R(4)

1092 Anonaceae

Undershrub c. 3 m tall; diam c. 1 cm; cauliflora about 20 cm above ground; fruit pink.

Scattered. BO

1093 Pinanga Arecaceae

Solitary, stem c. 4 m tall; diam 3.5 cm; flower 3.5 m above ground; peduncle scarlet red; calyx red; fruit cream flush pink at the top; leaf sheath 40 cm; rakhis 2.4 m; stalk 40 cm.

Common BO,AA

1094 Iguanura Arecaceae

Solitary, stem c. 1.5 m tall; diam 3 cm; leafsheath 20 cm; rakhis 93 cm; stalk 4 cm; flower bud green; fruit cream.

Common BO,AA,NCI,R(1)

1095 Ardisia Myrsinaceae

Shrub c. 3 m tall; siam c. 3 cm; flower bud purple.

Common on shade place. BO,AA,R

1096 Antidesma ? tetandrum Euphorbiaceae

Tree c. 10 m tall; diam c. 15 cm; wood red(wine); bark very thin, pale yellow; flower green. Wood used for fire wood.

Common. BO,AA,NCI,R(2)

1097 Urophyllum Rubiaceae

Shrub c. 4 m tall; diam c. 2 cm; less branched;leaf shining green; young fruit green.

BO,AA,R(6)

1098 Dacryodes Burseraceae

Tree c. 7 m tall; diam 8 cm; wood brown, hard; young leaf pinkish; inflorescens slender, hanging down; fruit pink.

Common. BO,AA,R(1)

1099 Galearia Euphorbiaceae

Shrub c. 5 m tall; diam 2 cm; inflorescens hanging down with brown indumentum.

Common.

1100 Pothos Araceae

Epiphyte on trunk c. 2 m above ground; fruit yellowish green.

On moist and shade place, rare. BO

1101 ? Previous number 1093

BO

1102 ? Previous number 1097

Small tree c. 7 m tall; diam c. 7 cm.

BO,AA,R(3)

1103 Memecylon Melastomataceae

Shrub c. 3 m tall; diam 3 cm; petal white, anther purple; calyx white.

Common. B.AA,R(8)

1104 Urophyllum Rubiaceae

Shrub c. 3 m tall; diam 4 cm; less branched; flower pale green.

Rare, along riversides, shade place.

1105 Euphorbiaceae

Shrub c. 2 m tall; diam 1 cm; fruit reddish.

Rare, along riversides, shade place.

BO,AA,R(7)

1106 Mapania Cyperaceae

Small tuft c. 1.5 m tall; leaf dark green; bract brown; stamen white.

On moist and shade place, loccaly, hill sides.

BO,AA,R(1)

1107 Litsea Lauraceae

Tree c. 12 m tall; diam 15 cm; leaf gloucaous underneath; bract with brown tomentum; flower bud greenish-silver tomentum.

"madang", wood used for plank, pole, forniture, soft wood.

Rare, hill sides.

BO,AA,R(7)

1108 Sterculiaceae

Shrub c. 2 m tall; diam 1 cm; carpel orangish red, seed black (single).

Rare, hill sides BO

1109 Clerodendrum

Undershrub c. 1 m tall; diam 0.5 cm; calyx bright red, pale in the centre.

Hill sides in shade and moist place.

BO

1110 Rubiaceae

Undershrub c. 1.5 m tall; diam 0.5 cm; flower bud green.

Hab. idem 1100 BO

1111 Eugenia Myrtaceae

Small tree c. 5 m tall; diam 4 cm; fruit green flush reddish; disk white.

Hab. idem 1100 BO,AA,R(8)

1112 ? Pinanga Arecaceae

"pinang kancil", previous number 1090.

Hill sides

BO,AA.NCI

1113 Ixora Rubiaceae

Shrub c. 3 m tall; diam 2 cm; laxy branched; flower tube pinkish; lobes orange; young leaf pink.

Common on shade place.

BO,AA,R(7)

1114 H anguana malayana Flagelariaceae

Stemless c. 1 m tall; leaf gloucous green underneath; flower yellowish green.

Hill sides, moist and shade place, scattered.

BO,AA,R(2)

1115 Diospyros Ebenaceae

Tree c. 25 m tall; diam 15 cm; bark greenish grey, wood pale yellow, hard; rhamniflora; fruit gloucous green.

"ceruluk kayu" monkey like to eat young seeds.

Common, hill sides. BO,AA,NCI,R(3)

1116 Calamus Areaceae

Climber c. 3 m tall; diam c. 2 cm; fruit gloucous green.

Common, hill sides.

BO,AA

1117 Anonaceae

Small tree c. 7 m tall; diam 6 cm; cauliflora c. 5 cm above ground; fruit greyish purple, abundance.

Hab. idem 1116. BO,AA,R(3)

1118 Ardisia Myrsinaceae

Shrub c. 4 m tall; diam 3 cm; less branched; fruit greenish grey with black spots.

Hill sides, open place. BO,AA,R(8)

1119 Lasianthus Rubiaceae

Shrub c. 3.5 m tall; diam 2 cm; calyx & corolla green; stigma pale green; " siampa" BO,AA,R(8)

1120 Phrynium Marantaceae

Stemless c. 1.2 m tall; leaves glaucous underneath; bract dark green; flower white.

Hill sides, shade place, locally. BO,AA,R(3)

1121 Rubiaceae

Shrub c. 3 m tall; diam 2 cm; less branched; calyx pale green, corolla white; fruit pale green.

Hillsides, shade place, scattered.

BO,AA(2),R(8)

1122 Aglaia Meliaceae

Shrub c. 3 m tall; diam 2.5 cm; much branched with brownish hairs.

Hab. idem 1121 BO,AA,R(5)

1123 Meliaceae

Small tree c. 5 m tall; diam 5 cm; less branched; hard wood, brown; fruit bright red.

Hab. idem 1121 BO,AA

1124 Sterculiaceae

Shrub c. 3 m tall; diam 2 cm; much branched; corolla green, anther and stamen white; fruit glaucous green.

Hab. idem 1121 BO,AA,R(3)

1125 Ellipanthus

Small tree c. 7.5 m tall; diam 6.5 cm; calyx yellowish green; corolla white; much branched with brown hairs.

Hab. idem 1121; rare

BO,AA(2),R(8)

1126 Barringtonia Lecythidaceae

Tree c. 17.5 m tall; diam 17.5 cm; filament white and pink at the top, anther yellow; young fruit green.

Scattered. BO

1127 Polyalthia Annonaceae

Small tree c. 2 m tall; diam 10 cm; less branched; cauliflower, very close to the ground; flower dark red; fruit greyish purple.

Hill sides, common.

BO,AA,R(2)

1128 Kreme Myristicaceae

Tree c. 25 m tall; diam 23 cm; bark brown, thick; red sap; leaf glaucous underneath; fruit dull yellowish green-reddish; aril orange-bright red; seed brownish black; hornbird like to eat ripe fruit.

Hab. idem 1127

BO,AA,NCI,R(3)

1129 Pandanus Pandanaceae

Monopodial, c. 2.5 m tall, diam 1.5 cm; fruit dark green; "pander"

Hab. idem 1127; scattered

BO,AA,R(7)

1130 Litsea Lauraceae

Small tree c. 15 m tall; diam 15 cm; inflorescence yellowish brown; young fruit green.

Hab. idem 1127; rare.

BO,AA,NCI,R(3)

1131 Phaeoneria Zingiberaceae

Sprouts stem c. 4 m tall

BO,AA,R(4)

1132 Velleiogaia sinuoryulea

Tree c. 6 m tall; diam 12 cm; peduncle pale green; calyx green; corolla yellow; sweet scent.

River sides, moist and shade place, common.

BO,AA,R(7)

1133 Coelogyne Orchidaceae

Epiphyte on fallen tree, large tuft; calyx cream; petal cream; labellum blotch brown with white veid; at the centre; soft scent.

BO,AA

1134 Antidesma Euphorbiaceae

Shrub c. 3 m tall; diam 3 cm; less branched; fruit hanging down, pink.

Common , river sides, shade place. BO(?),AA(?),R(?)

1135 Tetrastigma Vitaceae

Climber c. 8 m tall; diam 2 cm; flower pale green, sweet scent.

Common, open place, logging road sides.

R,AA,R(?)

1136 Ixora Rubiaceae

Shrub c. 3 m tall; diam 2.5 cm; much branched; ~~flower~~ flower bright red.

Hab. idem 1135

BO,AA,R(?)

† 1137 Dipterocarpus palembangicus Sloot. Dipterocarpaceae (psa)

Tree c. 35 m tall; diam 35 cm;

Common in primary forest.

BO,AA

† 1138 Shorea gibbosa Brandis Dipterocarpaceae (psa)

Tree c. 45 m tall; diam 1.20 m.

Hab. idem 1137

AA

1139 Xenophyllum

Herb c. 10 cm tall; leaf purple underneath; green above; pod ~~brownish~~ purplish green.

On moist and shade place, scattered.

BO,AA,R(?)

1140 Melastomatacea

1140 Melastomataceae

Herb c. 10 cm; leaf blue pencilok upersides; young leaf covered with red hairs especially underneath; Calyx tube covered with red glandulu hairs; petal pink; anther yellow; capsule brown.

Hab. idem 1139 RO,AA,R(3)

1141 Diospyros Ebenaceae

Shrub c. 4 m tall; diam 7 cm; much branched; young fruit green. Riversides, wet and shade place, scattered. RO,AA,R(8)

1142 Ardisia Myrsinaceae

Tree c. 6 m tall; diam 10 cm; calyx green; corolla waxy-red; fruit purplis-black when ripe.

Hab. idem 1141 RO,AA(2)

1143 Ophiorrhiza Rubiaceae

Herb c. 10 cm tall; leaf dark green; calyx tube greenish; corolla pure white.

Hab. idem 1141. RO

1145 Rubiaceae Rubiaceae

Herb. c. 25 cm; stem & petiole purple; flower green.

Hab. idem 1141 RO,AA.R

1146 Rubiaceae - Argostemma

Herb c. 15 cm tall; leaves fresh green, variegated on the midrib; Calyx pale green; petal white with purplish disk; anther yellow

Hab. idem 1141 RO,AA,R(2)

1146Bis Begonia

Herb c. 10 cm tall; leaf red underneath; bract & corolla pink; anther yellow.

Hab. idem 1141 AA,RO,

1147 Gesneriaceae

Herb. c. 10 cm tall; young flow and pod pale green.

Hab. idem 1141

IO,AA,R(5)

1148 Ilococlottis Orchidaceae

Terrestrial, stemless c. 40 cm tall; peduncle purplish; flower yellow with stripe purple.

Hab. idem 1141

IO,AA,R(2)

1149 Antidesma Euphorbiaceae

1150 Globe Zingiberaceae

Spurious stem c. 0.50 cm tall; leaf purplish underneath; heart & flower red.

Hab. idem 1141

DO,AA,R(2)

1151 Gonocaryum Icacinaceae
Shrub

c. 3 m tall; diam 2.5 cm; fruit purplish.

Primary forest; hill sides, rare.

BO

1152 Euphorbiaceae

Shrub c. 2 m tall; diam 2 cm; young fruits green.

Hab. idem 1151

SO,AA,R(2)

1153 Bennaures Euphorbiaceae

Small tree c. 7 m tall; diam 7 cm; fruit red.

Hab. idem 1151

SO,AA,R(2)

1154 Sterculia Sterculiaceae

Shrub c. 4 m tall; diam 2.5 cm; carpel bright red; seeds black.

Hab. idem 1151

SO

1155 Vitex Verbenaceae

Small tree c. 6 m tall; diam 9 cm; calyx tube yellowish green; corolla yellow.

Hill sides, slightly open place, scattered.

LO(?),AA(2),R(10)

1156 Memecylon Melastomataceae

Tree c. 7 m tall; diam 8 cm; fruit glaucous green; much branched.

Hab. idem 1155

1157 Rubiaceae

Small tree c. 11 m tall; diam 19 cm; flower white.

Hill sides, c. 150 m alt.; rare.

BC,AA(?),R(9)

5 November 1988

1158 Aglaia Meliaceae

Small tree c. 12.5 m tall; diam 11.5 cm; cauliflora; young fruit green turning reddish brown.

Occasional, c. 100 m alt; hill sides.

HO,AA,NGI,R(6)

1159 Polyalthia Annonaceae

Small tree c. 4 m tall; diam 5 cm; cauliflora; young fruit reddish brown.

Hab. idem 1158

HO,AA,R(?)

1160 Rinorea

Shrub c. 3.5 m tall; diam 3 cm; fruit green.

Hab. idem 1158

HO,AA(?),R(6)

1161 Ximenia Olacaceae

Small tree c. 10 cm; diam 12 cm; young leaf pink; fruit green.

Hab. idem 1158

HO,AA,NGI,R(4)

1162 Polyalthia Annonaceae

"Kayu tabi ayen" small tree c. 15 m tall; diam 13 cm; bark dark brown, yellowish sap; cauliflora; fruit purple.

Hab. idem 1150 BC,AA,NGI,R(4)

1163 Kydinocarpus Flacourtiaceae

"Kayu kulo-kulo" tree c. 37 m tall; diam 56 cm; bark grey brown out sides, tuberoled and flocking; under bark reddish; say wood reddish.

Hab. idem 1150 BC,AA,NGI,R(3)

1164 Diospyros Ebenaceae

"Kayu bukit" small tree c. 17 m tall; diam 16 cm; bark greenish grey-dark gray; say wood pale yellow, hard,; cauliflora; fruit glaucous green; young seed edible eaten by animals.

Hab. idem 1158 BO(?),AA(2),R(7)

1165 Sterculia Sterculiaceae

Shrub c. 2.5 m , diam 1.5 cm; fruit orange; seeds brown.

Hab. idem 1158 AA

1166 Trycalysia Rubiaceae

Small tree c. 12 cm; diam 11 cm; bark out side gray brown, tuberoled, soft crouky , under bark white and stringy; wood hard, yellowish; young leaf reddish green; calyx purple, corolla tubes green with pale fimbriate margin, purple at the base; large green disk.

Hab. idem 1158 BC,AA(2),NGI,R(7)

1167 Sandoricum Meliaceae

Small tree c. 25 m tall; diam 20 cm; bark reddish brown, smooth with tuberculate patches, under bark reddish; calyx tube pinkish-red; corolla tubes reflexed pink; young fruit green.

Hab. idem 1158 BO(2),AA(?),NGI,R(3)

1168 Anacardiaceae

Tree c. 45 m tall; diam 60 cm; butress c. 1 m; bark grey; flecking, inner bark red; white sap; rachis 35-40 cm, 8 pairs, opposite imparipinnate; inflorescens: calyx lobes yellow, corolla brown.

Hab. idem 1158; rare BO,AA,R

1169 Calophyllum Clusiaceae

Sapling c 1.5 m tall; white latex.

BO

1170 Tabernaemontana Apocynaceae

Shrub c. 2 m tall; diam 1 cm; white sap; fruit orange.

Hab. idem 1158; rare. BO,AA,R(?)

1171 Hydnocarpus Flacourtiaceae

"Kelaga tupai" Small tree c. 15 m tall, diam 12 cm; fruit brown

Hab. idem 1158 BO,AA,NCI,R(?)

1172 Clerodendrum Verbenaceae

Shrub c. 2 m tall; calyx pink, fruit green.

Hab. idem 1158; rare AA

1173 Goniothalamus

Shrub c. 1.5 m tall; diam 1 cm; young fruit green.

Hab. idem 1158; rare. BO

1174 Euphorbiaceae

Shrub c. 2.5 m tall; diam 2 cm; young fruit reddish brown.

Dipterocarp forest, hill slope, 150 m alt; common. BO,AA,R(?)

1175 Ixora Rubiaceae

Shrub c. 2 m tall; diam 2 cm; fruit reddish.

Hab. idem 1174. BO,AA

1176 Zaclerria Euphorbiaceae

Shrub c. 4 m tall; diam c. 7 cm; flower whitish green.

Rare in primary forest, 100 m alt.

1177 Ficus Moraceae

Tree c. 12 m tall; diam 12 cm; outer bark slightly rugose, brown, under bark orange with milky sap; fruit or much branched , cauline woody shoots c. 25 cm,long, orange with white spots. BO,AA(2),R(8)

1178 Mapania Cyperaceae

Stemless herb with small tuft; brest brown; stamen white.

Locally abundance, on wet and shade; 100 m alt.

BO,AA,R(1)

1179 Melastomataceae

Shrub c. 1 m tall; diam 1 cm; flower pink.

Scattered; 100 m alt. BO,AA,R

1180 Microcos Tiliaceae

Small tree c. 6 m tall; diam 8 cm; calyx yellowish green; corolla yellow; pistil greenish; fruit green.

Open area, logging side road; rare; 100 m alt.

BO(2),AA(2),R(11).

1181 Celtis Ulmaceae

Tree c. 14 m tall; diam 10 cm; fruit green, rare.

Logging road sides; 100 m alt; rare.

BO,AA,R(5)

1182 Adenia Passifloraceae

Creeping, covered logging road, leaf shining dark green; flower yellow.

Common

1183 Dipterocarpus Dipterocarpaceae

Tree c. 40 m tall; diam 68 cm.

BC,AA,R(1)

1184 Aristolochiaceae

Corolla yellow; see 1085.

MEB

6.XI.'68

1185 Koompassia Leguminosae

Tree c. 40 m tall; diam 60 cm; buttress to 2 m; bark reddish brown c. longitudinal corky ridges.

At bottom of gully.

AC

1186 Medinilla Melastomataceae

Climber c. 6 m long; calyx tube pink; petal pinkish; stamen white; anther yellow; stigma yellowish; berry pink;

On moist and shade place near gully; 100 m alt.

BC,AA,R(3)

1187 Dysoxylum Meliaceae

Tree c. 10 m tall; diam c. 15 cm; calyx tube green; petal white inside, outside greenish; fragrance; young fruit green with brown indumentum.

Gully; 100 m alt, rare.

BC(2) AA(2), NCI

1188 Litsea Lauraceae

Tree c. 7.5 m tall; diam 12 cm; leaf glaucous underneath; calyx tube green; fruit green-grey with pale spots, "looking ripe".

Hab. like 1187.

BC(2);AA(2);R(4).

1189 Annonaceae

Shrub c. 1 m tall; diam 1 cm; less branched; tepal yellow; fruit green; Hab. like 1187. BC

1190 Melastomataceae

Herb. c. 60 cm tall; leaf purple underneath; calyx lobes purplish; fruit pale green.

Hab. idem 1187; riversides; locally.

MO,AA,R(4)

1191 Urophyllum Rubiaceae

Shrub c. 4 m tall; diam 7 cm; less branched; leaf shining green; young berry green.

Hab. idem 1190. MO,AA,R(7)

1192 Jagotaea Rubiaceae

Herb c. 0.20 m tall; upperside leaf variegated; peduncle white; calyx brownish; petal white with pinkish at the base; anther yellow; capsule brown.

Hab. idem 1190 MC,AA

1193 Antrophyum Polypodiaceae

Epiphyte c. 2.5 m above ground; leaf shining green; sori brown.

Hab. idem 1190 EO

1194 Anonaceae

Small tree c. 1 m tall; diam c. 4 cm; fruit covered with pelvetty brown hairs; much branched.

Hab. idem 1190 MO,AA

1195 Dhesa Celastraceae

Tree c. 17 m tall; diam 35 cm; corolla yellowish green; anther white; fragrance, abundance.

Hab. idem 1190

MO,AA(?),R(9)

1196 Gyrtandra Gesneriaceae

Herb c. 20 cm tall; capsule pinkish.

Hab. idem 1190 MO,AA(?),R(30)

1197 - ' Annonaceae

"Siburu", Tree c. 10 m tall; diam 14 cm; much branched; calyx greenish brown; petal orange red; fetid, cauliflora; young fruit green; young leaf pink.

Hab. idem 1190. MO(2),AA(2),MCI

1198 Aeschynanthus Gesneriaceae

Epiphyte c. 3 m above ground; hanging down; calyx tube purple; corolla bright red, insides lip with dark red stripe; anther dirty white.

Hab. idem 1190 MO

1199 - Melastomataceae

Herb c. 75 cm tall; petiole pinkish; calyx tube pale green, lobes pink; petal white; stamen white.

Hab. idem 1190 MO(2),AA(2),N(3)

1200 Ficus Moraceae

Undershrub c. 4 m tall; creeping stem on the ground and bearing fruit; fruit orange.

Hab. idem 1190 MO,AA,N(4)

1201 - Theaceae

Tree c. 6 m tall; much branched; flower bud green; young fruit glaucous green.

Hab. idem 1190 MO,AA,MCI

1202 Meliosma Sabiaceae

Tree c. 7 m tall; diam 8 cm; calyx green; petal greenish white; anther yellow; fruit dark red.

Hab. idem 1190 MO,AA,MCI(?)

1203 Saurauia Actinidiaceae

Small tree c. 3 m tall; diam 2 cm; less branched; calyx green outsides; corolla pure white; anther yellow; stigma white.

Near gully; rare. BO,AA,R(2)

1204 Eugenia Myrtaceae

Tree c. 4 m tall; diam 7 cm; calyx tube pale yellow; petal purple, stamen pure white; anther yellow.

Hab idem 1203 BO,AA,R(6)

1205 Begonia Begoniaceae

Herb c. 50 cm tall; leaf dark green upperside; calyx pinkish; petal pink, white in the margin; anther yellow.

Hab idem 1203; common BO,AA,R(1)

1206 Aglaia Meliaceae

Undershrub c. 2 m tall; diam 1 cm; inflorescence pale green.

Disturbed area, slightly open; hill slope; common.

BO,AA,

1207 –

Undershrub c. 2 m tall; diam 1.5 cm; flower bud green; young fruit green.

Hab. idem 1206 BO,AA,R(3)

1208 Myristicaceae

Tree c. 25 m tall; diam 35 cm; branched at the top; fruit yellowish green, diam 4.5 cm, flesh & aril yellow, sour.

BO,AA,RCI

Hill slope, dry.

1209 Ficus Moraceae

Strangling c. 15 m tall; diam 10 cm; much branched; fruit orange abundance; "kayo ara"; bird like to eat fruit.

Hab. idem 1208. BO,AA(2),R(6)

1210 - Mimosaceae

Climber c. 9 m tall; diam 2 cm; calyx dark green; stamen yellow-yellowish; anther yellow.

Hab. 1208 BO,AA

1211 Unom Annonaceae

Tree c. 7 m tall; diam 6.5 cm; much branched; tepal pale green; berry pink; leaf glaucous underneath; bark glaucous.

Hab. idem 1208 MO,AA,NCI(5)

1212 Triculysia Rubiaceae

"Kayu merah tupai", Tree c. 12.5 m tall; diam 10 cm; very thin bark, pale yellow; wood yellow, hard, used for furniture; branched at the top; leaf shining green; young fruit pale green.

Hab. idem 1208 BO,AA(?)NCI,R(?)

1213 Durio Bombacaceae

Tree c. 40 m tall; diam 75 cm; calyx greenish brown; petal pure white; staminal tube white, cream; anther yellow; stigma cream; fetid; young fruit pale brown; bark thick, brown inside.

/ staminal tube c. 9 cm long, diam 0.3 cm.

Hab. idem 1208 BO(?),AA(?),NCI,R(?)

1214 Xerospermum Sapindaceae

Small tree c. 12.5 m tall; diam 10 cm; less branched; calyx green; corolla pure white; stigma white.

Hab. idem 1208. BO,AA(?),R(?)

1215 Litsea Lauraceae

Small tree c. 5 m tall; diam 4 cm; young leaf pink; peduncle pink; flower bud glaucous green.

Hab. idem 1208, slightly open place.

BO

1216 Prunus Rosaceae

Small tree c. 5 m tall; diam 4 cm; much branched; calyx tube hairy brown outsides; stamen white; berry green.

Hab. idem 1208; rare. AA(2),BO(2),R(2)

1217 - Melastomataceae

Herb c. 10 cm tall; leaf blue peacock uppersides, red hairy underneath; calyx tube pink; corolla pink; anther yellow.

Hab. idem 1202, moist and shade place, common.

BO,AA,R(2)

1218 Beyeanum Euphorbiaceae

Tree c. 5 m tall; diam 4 cm; much branched; cauliflora; peduncle and fruit dark red.

Hab. idem 1208 BO,AA,R(2)

1219 Dysoxylum Meliaceae

Tree c. 15 m tall; diam 18 cm; bark red inside; wood pale yellow, hard; flower bud glaucous green; fruit , diam 5 cm, red especially at the base; young leaf pink.

Hab. idem 1208 BO,AA,NOI

1220 Vittaria Vittaria Gr.

Epiphyte c. 10 m above ground; frond dark green; sori brown.

Hab. idem 1208 BO,AA,R(6)

1221 Eugenia Myrtaceae

Small tree c. 6 m tall; diam 5 cm; much branched; fruit green flush pink.

On slope hill, slightly open place; rare.

BO,AA

1222 - Melastomataceae

Shrub c. 4 m tall; diam 2 cm; peduncle reddish; calyx tube green; petal pure white; stigma red streak; anther cream.

Hab. idem 1221

1223 Hypericum Flacourtiaceae

Tree c. 20 m tall; diam 20 cm; bark thick, brown outsides, tuberculed, inside reddish; wood pale yellow; leaf glaucous underneath; calyx tube green, lobes yellow; petal yellow, darker insides.

Primary forest, hill sides; rare. BO,AA(?),MCI,R(6).

1224 - Arecaceae

Stemless c. 1 m tall; petiole 20 cm long; lamina 67 cm long; dark green, shining; fruit green, used as betel nut; "majaal".

Hab. idem 1223; common. BO(2),AA,R(3).

1225 Psychotria Rubiaceae

Shrub c. 1 m tall; diam 1 cm; berry green.

Hab. idem 1223. BO

1226 Leptaspis urceolata Poaceae

Herb c. 1.5 m tall; glume brownish.

Hab. idem 1223; common. BO,AA,R

1227 - Polypodiaceae

Terrestrial fern, c. 0.60 m tall; stipe black, lamina dark green, sori brown.

Hab. idem 1223, slightly open place. BO

1228 - Gesneriaceae

Herb c. 0.20 m tall; leaf velvetly dark green; calyx green; corolla tube white, under lip insides with stripe yellow.

Hab. idem 1223, on shale and moist place, scattered. BO,AA,R(1)

1229 - Gesneriaceae

Herb c. 0.60 m tall; bracht pale green; calyx tube green; corolla tube whitewith brownish hairs insides, upper lip to the throath with purple stripe.

Hab. idem 1223. AA,BO,R(7)

1230 - Polypodiaceae

Epiphyte c. 3 m tall; frond dark green; aerial brown; climbing.

Hill sides; scattered. BO,AA,R(4)

1231 - Arecaceae

Solitary stem, c. 2 m tall; diam 1 cm; calyx pinkish; flower bud dark brown.

Hill sides; rare. BO

1232 Pelacalyx (?) Rhizophoraceae

Tree c. 30 m tall; diam 27 cm; bark brown/outsides; innersides orange red; buttress c. 1.5 m tall; berry red. / fine crack.

Near gully, rare. BO,AA,ACI,R(5)

1233 -

1234 Ixisanthus Rubiaceae

"Bisayar" small tree c. 8 m tall; diam 6 cm; calyx tube green; petal pale green; anther white; berry dark green.

Hab. 1232 BO,AA,R(6)

1235 Mussaenda Rubiaceae

Robust liana c. 5 m tall; leaf shining green; calyx white with pale green veins; corolla tube pale green, lobes orange.

Open place, along logging road, common. BO,AA(?),R(6)

1235A Labisia Myrsinaceae

Herb c. 0.40 cm tall; pedunkle pink.

On moist and shade place, riversides, scattered. BO,AA,R

1235 B -

Shrub c. 2 m tall; diam 2 cm; much branched; fruit green;

Hab. idem 1235 BC,AA,R

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1236 Euroaures Euphorbiaceae

Treelet c. 3 m tall; diam 5 cm; bark grayish; much branched;

leaf glaucous underneath; fruit red c. 0.2 cm diam.

On bottom of gully, swampy place, riversides; occasional.

BC,AA,R(3)

1237 - Commelinaceae

Herb c. 1 m tall, creeping at the base; flower purple.

Hab. idem 1236; locally, common BC,AA,R(3)

1238 Globe

Herb c. 0.50 m tall; flower orange.

Hab. idem 1236 , locally common.

BC,AA

1239 Selaginella Selaginellaceae

Herb c. 0.40 m tall; leaf shining green

Hab. idem 1238 BC,AA(?),R(3)

1240 Asplenium Asplenium Group

Epiphyte c. 2 m above ground; frond pale green; sori brown.

Hab. idem 1238; rare. BC,AA

1241 Lindsaya Asplenium Group

Terrestrial fern; c. 0.70 m tall; leaf shining bluish green

upperside; sori brown.

Hab. idem 1238; rare. BC,AA

1242 Cuscuta Cuscutaceae

Climber c. 4 m tall; fruit orange, seed black.

Hab. idem 1238; rare BC

1243 – Rubiaceae

Shrub c. 3 m tall; 2.5 cm diam; lax branched; fruit orange.

Primary forest, hill sides, slightly open; rare.

BO,AA,R(7)

1244 Ixora Rubiaceae

Shrub c. 3.5 m tall; diam 2.5 cm; less branched; berry pinkish.

Hab. idem 1243 BO,AA,R(7)

1245 Psychotria Rubiaceae

Shrub c. 3 m tall; diam 2 cm; berry green.

Hab. idem 1243.

BO,AA,R(6)

1246 Ixora Rubiaceae

Shrub c. 3 m tall; diam 2.5 cm; less branched; flower orange.

Hab. idem 1243 BO,AA

1247 Petrydea Burseraceae

Tree c. 10 m tall; diam 10 cm; bark greyish, tuberculate, inner bark pale yellow; young leaf pink; fruit red, hanging down.

Hab. idem 1243 BO,AA,NCI,R(3)

1248 Baccaurea Euphorbiaceae

Small tree c. 6 m tall; diam 4 cm; less branched; cauliflora; fruit dark red, very close to the ground.

Hab. 1243 BO,AA,R(4)

1249 Rhoiosciadea Vitaceae

Slender liana c. 3 m tall; petiole reddish; corol red; fruit dark green.

Hab. 1243, shade place, rare. BO,AA,R

1250 Aniseuphyllea Rhizophoraceae

Shrub c. 6 m tall; diam 1.5 cm; vertical branched, berry red. "ribu-ribu"; Hab. idem 1243 BO,AA,R(3)

1251 Aglaia Meliaceae

Shrub c. 1 m tall; diam 1 cm; fruit red.

Hab. idem 1243 BO

1252 Ehemp Myristicaceae

Tree c. 10 m tall; diam 19 cm; branched at the top; fruit dirty yellow; pil bright red; seed black.

Hab. 1243 MO(2),AA(2),R(3)

1253 -

Shrub c. 3.5 m tall; diam 2 cm; much branched; flower yellow.

Hab. 1243 MO,AA

1254 Dysoxylum Meliaceae

Tree c. 2 m tall; diam 7 cm; bark thick, grey, tuberculed; wood yellow; cauliflora; young fruit pinkish green.

Hab. 1243 BO,AA,R(6)

1255 Semecylon Melastomataceae

Shrub c. 7 m tall; diam 2.5 cm; berry pink.

Hab. idem 1243. BO,AA,R(7)

1256 Aglaia Meliaceae

Shrub c. 2 m tall; diam 1 cm.

Hab. idem 1243 BO,AA,R(7)

1257 Geophilum Rubiaceae

Small tree c. 7.5 m tall; diam 8 cm; much branched; berry green.

Hab. idem 1243 MO,AA,R(8)

1258 - Zingiberaceae

Spurious stem c. 7.5 m tall; diam 2 cm; peduncle red; bract & calyx tube bright red; petal lobes bright red; lip orange red, inside stripe purple. Hab. 1243; cultivated. BO

1959 – Euphorbiaceae

Small tree c. 4 m tall; diam 35 cm; much branched; wood yellow, soft; fruit glaucous green.

Hill slope, slightly open; locally ; scattered.

SO,AA,R(9)

1960 Aglaia Meliaceae

Shrub c. 5 m tall; diam 4 cm; much branched; flower yellow, fragrance.

Hab. idem 1959 SO,AA,R(9)

1961 Antidesma Euphorbiaceae

Tree c. 15 m tall; diam 10 cm; wood dark red; flower green.

Hab. idem 1959 SO,AA,R(8)

1962 – Anacardiaceae

Small tree c. 5 m tall; diam 4.5 cm; bark grey, smooth; small and rhamniflora; petal yellow;

Hab. 1959 SO,AA,R(7)

1963 – Scapium macropodum (Miq.) Bl Sterculiaceae

Tree c. 35 m tall; diam 40 cm; buttress c. 1 m tall; bark rugose, corky, thick, fibrous, reddish brown; wood yellow; flower yellow, deciduous. "Kenbeng seongkuk".

Primary forest, hill slope, common.

SO,AA,NCI(5)

1964 ? Cleistanthus Euphorbiaceae

Tree c. 17 m tall; diam 10 cm; outerbark tubercled, inner thin, reddish; leaf shining green; fruit yellow.

Hab. idem 1963; open place. SO,AA,NCI,R(4)

1265 - Araliaceae

Shrubler c. 3 m tall; diam 1 cm; leaf glaucous underneath; peduncle purple; calyx tube greenish yellow, lobes purple; stamen pale purple.

Hab. idem 1263 BO

1266 - Sapotaceae

Shrub c. 3 m tall; diam 2.5 cm; much branched; leaf underneath with brown indumentum; young fruit glaucous green.

Hab. idem 1263.

1267 Hevea spec. Euphorbiaceae

Tree c. 20 m tall; diam 16 cm; branch at the top; bark greyish brown, crack, inner bark creamy; fruit orange, hanging down on branch, rare.

Hab. idem 1263. BO,AA,NCI,R(3)

1268 Trixspermum Orchidaceae

Epiphyte c. 20 m above the ground.

Hab. idem 1263. BO

1269 Elaeocarpus Elaeocarpaceae

Tree c. 20 m tall; diam 17 cm; bark brown, tuberculed, inner bark cream; wood yellow; flowerbud glaucous green.

Hab idem 1267. BO,AA(2),R(8)

1270 - Meliaceae

Tree c. 17 m tall; diam 25 cm; bark brown, crack; young leaf pink; flower bud glossy green.

Hab. idem 1263. BO,AA(2),R(10).

1271 - Vitaceae

Liana c. 4 m tall; flower green.

Hab. idem 1263. BO,AA,R(2)

1272 Barringtonia Lecythidaceae

Tree c. 10 m tall; 11 cm diam; much branched; inflorescence hanging down; flower bud green; young fruit green, plenty.

Hab. 1263, slightly open. BO,AA(2),R(9)

1273 Pothos Araceae

Epiphyte c. 3 m tall; leaf dark green; spathe green, white insides, fetid.

Hab. idem 1263, shade place; occasional. BO

1274 Cinnamomum Lauraceae

Small tree c. 7 m tall; diam 2.5 cm; much branched; leaf glossy underneath; fruit green.

Hab. idem 1263, open place, rare. BO,AA

1275 Gonocaryum Icacinaceae

Shrub c. 4 m tall; diam 3 cm; less branched; young fruit dark green, rare.

Hab. idem 1263, shade and place, rare. BO

1276 Zingiber Zingiberaceae

Spurious stem c. 0.75 m tall; terrestrial inflorescence; corset red, flower yellow.

Hab. idem 1263, rare. BO,AA

1277 Clerodendrum Verbenaceae

Shrub c. 2 m tall; less branched; leaf dark green; Calyx dark red; fruit bluish blue.

On bottom of gully, riversides, moist & shade place. BA

1278 Mucuna Leguminosae

Climber c. 8 m tall; covered the tree top; young leaf pink; fruit covered with sting hairs.

Along logging roadsides, common. BO,AA;R(10)

1279 Ficus Moraceae

Tree c. 6 m tall; diam 5 cm; leaf silvery underneath; much branched; fruit whitish, plenty.

Common along logging roadsides, secondary forest.

1280 Cayratia Vitaceae

Climber c. 5 m tall; diam 0.5 cm; much branched; leaf dark green; calyx & petal green; anther yellow; berry green.

Hab. idem 1279.

1280 A Macaranga Euphorbiaceae

Small tree c. 6 m tall; much branched; fruit glaucous green, abundance.

Hab. idem 1279.

SO,AA,R(10)

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1281 Artocarpus Moraceae

"Tempunik jantan", Tree c. 20 m tall; diam 22 cm; bark brown, inner bark yellowish; fruit yellow.

Near by logging road, open place.

SO,AA,NCI,R(C)

1282 Ficus Moraceae

Small tree c. 5 m tall, diam 4 cm; fruit yellow.

Common in secondary forest(logging area).

SO,AA,R(8)

1283 Strombosia Olacaceae

Tree c. 27.5 m tall; diam 70 cm; outer bark brown, inner bark yellow; fruit greenish.

Hb. idem 1281. SO(2),AA,NCI,R(4)

1284 Macaranga Euphorbiaceae

Tree c. 12 m tall; diam 17 cm; outer bark brown, inner yellow; fruit red.

Hab. idem 1281. SO,AA,R(7)

1285 Randia Rubiaceae

Tree c. 10 m tall; diam 10 cm; outer bark grey, inner yellow; calyx yellow; corolla white.

Hab. idem 1281. EO,AA,R(10)

1286 Canarium Burseraceae

"Kedondong". Tree c. 30 m tall; diam 20 cm; outer bark grey, inner whitish yellow; fruit green.

Hab. 1282. EO,AA,NCI,R(7)

1287 Gardenia Rubiaceae

Tree c. 20 m tall; diam 19 cm; outer bark grey, inner bark yellow; calyx tube glaucous green; flower bud greenish at the tip; corolla white; fruit green.

Hab. 1282. EO,AA,NCI,R(4)

1288 Sterculia Sterculiaceae

Shrub c. 2 m tall; diam 1.5 cm; carpel bright red.

Hab. idem 1287.

1289 * Scolopia Flacourtiaceae

Tree c. 22 m tall; diam 18 cm; outer bark brown, inner bark brownish; fruit green.

Hab. idem 1282. EO(?),AA(?),NCI,R(5)

1290 Calophyllum Clusiaceae

"Kemuning". Tree c. 22.5 m tall; diam 25 cm; outer bark grey, inner bark yellow, thick; fruit green.

Hab. idem 1282. EO,AA,NCI,R(6)

1291 Orchidaceae

1292 Diospyros Ebenaceae

Tree c. 10 m tall; diam 11 cm; outer bark grey, inner bark yellow; fruit brownish green.

Hab. idem 1282 BO,AA,R(7)

1293 - Meliaceae

Small tree c. 3 m tall; diam 4 cm; outer bark brown, inner bark pale brown; flower red.

Hab. idem 1282 BO,AA,R

1294 Sterculia Sterculiaceae

Shrub c. 3,5 m tall; diam 5 cm; flower red.

Hab. idem 1282 BO,AA,R(2)

1295 - Anonaceae

Tree c. 15 m tall; diam 16 cm; outer bark grey, inner bark yellow; flower yellowish brown; fruit reddish brown.

Hab. idem 1282 BO,AA,NGI,

1296 Diospyros Ebenaceae

Tree c. 20 m tall; diam 18 cm; bark grey, inner bark yellowish white; fruit green.

Hab. idem 1282 BO(2),AA(2),R(10)

1297 Orchidaceae

Epiphyte c. 2 m above ground, basal green calyx green spots yellow; standard yellow blotch purple outside.

BO,AA,R

1298 Eugenia Myrtaceae

Tree c. 15 m tall; diam 15 cm; flower white.

Hab. idem 1282 BO(2),AA,R(2)

1299 Polyalthia Annonaceae

Shrub c. 5 m tall; diam 3 cm; calyx green; corolla yellow.

Hab. idem 1282 BO,AA

1300 - Rubiaceae

Shrub c. 1.2 m tall; diam 1.2 cm; flower yellow.

Primary forest, hill side.

BC,AA,N(4)

1301 Polyalthia Anonaceae

Shrub c. 3 m tall; diam 6 cm; young fruit green.

Hab. idem 1300.

BC,AA

1302 ~~Grewia~~ Syzygium ~~Flacourt.~~ Myrtaceae

Tree c. 15 m tall; diam 17 cm; fruit red.

Hab. idem 1300

1303 Koompasia Leguminosae

Tree c. 27 m tall; diam 37 cm; branch above the ground c. 18 m; buttresses c. 60 cm; bark greyish brown, tuberculate, think, inner bark brown; pod pale green.

On hill slope, rare.

BC,AA(6),NCI,R(8)

2.47.'88

1304 - Tiliaceae

Tree c. 10 m tall; diam 13 cm; bark grey, smooth, fibrous, inner sides green; fruit orange.

Primary forest, hill sides.

BC,AA,NCI,R(4)

1305 Myristica Myristicaceae

Tree c. 25 m tall, diam 30 cm; outer bark crack, thick, red sap; leaf brown especially underneath; fruit greenish brown.

Hab. 1304.

BC,AA,NCI,R(8)

1306 - Meliaceae

Tree c. 20 m tall; diam 18 cm; bark brown, tuberculed; milk sap; fruit dark red, diam 2 cm; flesh cream.

BC,AA,R(8)

1307A Galearia Euphorbiaceae

Shrub c. 1.5 m tall; diam 1 cm; flower bud glaucous green.

Hab. 1304. BO,AA,R(4)

1307B Sinetia Moraceae

Tree c. 10 m tall; diam 15 cm; bark grey, crack, thick, inner bark yellow, silky hairy; wood yellow, hard; inflorescence glaucous green.

Hab. 1304. BO(?),AA(2),NCI,R

1308 Planchonella Sapotaceae

Tree c. 30 m tall; diam 30 cm; outer bark grey, c. smooth; inner bark thick, yellow, fibrous; wood yellow, hard; fruit covered with brown hairs, ca 5 cm diam.

Hab. idem 1304; occasional. BO,AA(?),NCI,R(?)

1309 Xerospermum Sapindaceae

Tree c. 20 m tall; diam 10 cm; bark grey, tuberculate; inner bark reddish brown, thin; young fruit glaucous green. /

Hab. idem 1304; scattered. BO,AA(?),NCI,R

/ buttress c. 0.5 m tall; young leaf pink.

1310 -

Tree c. 20 m tall; diam 75 cm; buttress c. 1 m tall; outer bark brown, tuberculate; inner bark reddish brown, thick; wood yellow; "ngarti".

Hab. idem 1304. BO,AA(?),R(?)

1311 Pulvelthia Annonaceae

Tree c. 20 m tall; diam 15 cm; outer bark brownish grey, crack; inner bark yellow, thick, fibrous; young twig covered with brown hairs; fruit bright red-dark red.

Hab. idem 1304; occasional. BO(?),AA(?),NCI,R(7)

1312 Lycopodium Lycopodiaceae

Epiphyte above ground c. 8 m; leaf bright green; stipe black; dori green; frond 80-100 cm long, hanging down, large tuft.

Hab. idem 1304; shade place. BO,AA(2),R(9)

1313 Eugenia Myrtaceae

Tree c. 35 m tall; diam 70 cm; outer bark brown, crack; inner bark brownish red; young leaf bright red; young fruit green; "barro sagunting".

Hab. idem 1304; common. BO,AA(1),R(9)

1314 Polyalthia Annonaceae

Tree c. 10 m tall; diam 8 cm; previous no 1311.

Hab. idem 1304. BO,AA(2),R(8)

1315 Dacryodes Burseraceae

Small tree c. 7 m tall; diam 6 cm; much branched; inflorescence hanging down, c. 90-110 cm long; fruit pink.

Hab. idem 1304. BO,AA,R(3)

1316 Ixora Rubiaceae

Small tree c. 6 m tall; diam 4 cm; peninsular zone; fruit pale green.

Hab. idem 1304; common. BO,AA(2),R(7)

1317 Ixora Pyrisitinaceae

Tree c. 17.5 m tall; diam 17 cm; outer bark brownish grey/ tuberculate, inner bark brownish red; wood yellow; red wood; flower bud green with brown inflorescence.

Hab. idem 1304; occasional. BO,AA,NCT,R(4)

1318 – Gesneriaceae

Herb c. 1 m tall; diam 1 cm; leaf & sheath covered with brown hairs; bract yellowish.

Hab. idem 1304; moist and shade place, locally.

BC,AA,R(5)

1319 – Gesneriaceae

Herb c. 0.75 m tall; diam 0.5 cm; flower tube white, inside throat with yellow stripe.

Hab. idem 1318.

BO,AA

1320 Glochidion Euphorbiaceae

Small tree c. 4 m tall; diam 4 cm; leaf glaucous underneath; young fruit glaucous green.

Hab. idem 1304, slightly open place, common.

BC,AA,R(6)

1321 Myristica Myristicaceae

Tree c. 20 m tall; diam 17 cm; outer bark brownish, cracks; leaf glaucous underneath; flower bud green with brown indument.

Hab. idem 1304; occasional.

BO,AA(3),R(7)

1322 Polyalthia Annonaceae

Tree c. 15 m tall; diam 14 cm; outer bark grey, c. smooth; inner fibrous, brownish red; less branched; peduncle red; young fruit green blotch dark red.

Hab. idem 1304; common.

BO,AA,BCI,R(6)

1323 Garcinia Guttiferae

Tree c. 13 m tall; diam 14 cm; bark grey, tuberculate; sap yellow; young twig with brown indumentum; fruit green; young fruit covered with brown indumentum; calyx tube green; flower tube pale green, c. 4 cm long.

Hab. idem 1304; open place.

BO,AA(7),R(12).

1324 - Meliaceae

Tree c. 17 m tall; diam 12 cm; bark c. smooth, brownish grey; young leaf pink; flower bud green.

Hab. idem 1304, occasional. MO,AA,R(13)

1325 - Meliaceae

Small tree c. 4 m tall; diam 5 cm; young leaf pinkish; monopodial; fruit glaucous green.

Hab. idem 1324, open place. MO,AA,R(2)

10.XI.86

1326 Trichosanthes Cucurbitaceae

Liana c. 5 m long; fruit bright red, 8 cm diam; seed coat dull yellow, bitter, fetid; "Jaba Lotan".

Logging road sides; common; open place. MO,AA,R(3)

1327 Euphorbia Euphorbiaceae

Shrub c. 4 m tall; diam 7 cm; fruit green, ovoid.

Hab. idem 1326. MO,AA

1328 Myristica Myristicaceae

Tree c. 25 m tall; diam 86 cm; buttress c. 1 m high; outer bark brownish, crack; inner bark thick, brownish red; wood yellow; red sap; leaf glaucous underneath; fruit with brown indumentum, 3.5 cm diam.

Primary forest, hill slope, occasional. MO,AA,NCI,R(5)

1329 Lansium Meliaceae

Tree c. 25 m tall; diam 28 cm; buttress 6 m tall; outer bark grey, smooth; inner bark white; leaf glaucous underneath; fruit dull greyish green, flesh white; milky sap.

Hab. idem 1328. MO,AA,NCI,R(8)

1330 Sirroniker Ulmaceae

Tree c. 20 m tall; diam 18 cm; outer bark brownish grey; inner bark reddish brown; fruit bright yellow.

Hab. idem 1328. SO,AA(2),R(13)

1331 Tehiale Pyxidaceae

Herb with very short stem, c. 0.50 m tall; petiole pinkish; young leaf pinkish; peduncle & berry pink.

Hab. idem 1328, scattered, on moist and shade place. SO

1332 Dunex Marantaceae

Shrub c. 7 m tall; diam 2 cm; stem dark green; calyx white; corolla white, inside yellowish; anther yellow.

On gully, moist & shade place; occasional. SO,AA(2) R(4)

1333 Tulyelhie Annonaceae

Tree c. 15 m tall; diam 11 cm; much branched; bark fibrous; exuminflow; fruit bright red, 1.5 cm diam.

On slope, slightly open place, occasional. SO,AA,VOI,R(5)

1334 - Annonaceae

Tree c. 20 m tall; diam 18 cm; bark grey, c. smooth; leaf yellow; anther yellow, sweet smell.

Hab. idem 1333. SO,AA,R(11)

1335 - Annonaceae

Small tree c. 4 m tall; diam 3 cm; bark grey; less branched; fruit dark yellow.

Hab. idem 1333. SO

1336

1336 Ploneglottis Orchidaceae

Terrestrial herb c. 0.75 m tall; peduncle purple; pedicels pale yellow; calyx yellow; petal yellow spots purple.

On gully, shade and moist place, locally abundance.

WO,AA,R(6)

1337 Dysoxylum Meliaceae

Tree c. 8 m tall; diam 12 cm; leaf dark green; fruit glaucous green.

Common along river sides, shade place.

WO,AA,R(9)

1338 Dysoxylum Meliaceae

Tree c. 8 m tall; diam 13 cm; branched at the base; calyx tube green, flower pure white, fragrance; "bunch berking".

Hab. idem 1337.

WO,AA,R(3)

1339 Diospyros Ebenaceae

Tree c. 10 m tall; diam 14 cm; bark black, thin; wood yellow; rhamiflora; fruit purple, covered with grey hairs.

Hab. idem 1337.

WO,AA,R(2).

1339 - Anonaceae

Tree c. 12 m tall; diam 14 cm; bark blackish, c. smooth; cauliflora; fruit greyish purple; "salai-salai".

On gully near riverside, shade place, scattered.

WO,AA,R(3)

1340 Palaquium Sapotaceae

Tree c. 35 m tall; diam 65 cm; buttress c. 1.5 m tall; bark brown, tuberculate, thick, oily exp; fruit green with brown hairs, monkey like to eat fruit.

Hab. idem 1339.

WO

1341 Polyalthia Annonaceae

Shrub c. 2 m tall; diam 1 cm; adult young fruit green.

Hab. idem 1339.

BO

1342 - Arecaceae

"Bahaey", stemless c. 2 m tall; rachis 96 cm long; petiole 70 cm; sheath 17 cm; leaf silvery underneath.

Hab. idem 1339. BO,AA

1343 Diplazium Athyrium Group

Terrestrial fern, stemless; stipe 60 cm long; compound frond 180 cm long; scale brown; sori brown.

Hab. idem 1339. BO,AA,R(3)

1344 Antidesma Euphorbiaceae

Shrub c. 2.5 m tall; diam 2 cm; inflorescence hanging down; fruit pale green flush pink.

Hab. idem 1339. BO,AA,R(2)

1345 - 1349

1350 Neliosma Saliaceae

Small tree c. 6 m tall; diam 5 cm; flower bud glaucous green.

Hab. idem 1339; BO,AA,R(4)

1351 Bothriophora Euphorbiaceae

Tree c. 2 m tall; diam 13 cm; cauliflora; inflorescence dark red, hanging down; flower bud dark red; anther yellow.

Hab. idem 1339. BO,AA,R(5)

1352 Macaurea Euphorbiaceae

Tree c. 7 m tall; diam 5 cm; bark crack; young leaf purplish; fruit bright red.

Hab. idem 1339.

1353A Polyalthia Annonaceae

Tree c. 13 m tall; diam 15 cm; bark grey, c. smooth; cauliflora; petal pink.

Hab. idem 1339. DO,AA,R(5)

1353 Polyalthia Annonaceae

Tree c. 10 m tall, diam 17 cm; bark brownish; tuberculate; petals petals pinkish; cauliflora; fruit green.

Hab. idem 1339. SW,AA,R(1)

1354 Hydnocarpus Flacourtiaceae

Tree c. 17.5 m tall; diam 13 cm; less branched; bark crack, brownish black, brown inside; wood hard, yellow; fruit green with brown indumentum.

Hab. idem 1339. DO,AA,NCI,

1355 Apurosa Euphorbiaceae

Small tree c. 8 m tall; diam 6 cm; bark brown; wood yellow; fruit yellowish green.

Primary forest, hill slope; uncommon. DO,AA,R

1356 Medinilla Melastomataceae

Epiphyte c. 5 m above ground; calyx tube pinkish; petal white; outer side purple; berry orange, edible; "sweet bangkol".

Hab. idem 1355. DC,AA,R(3)

1357 Aglaia Meliaceae

Tree c. 22.5 m tall; diam 20 cm; buttress c. 1 m tall; bark brown, tuberculate; inner bark pale brown, thick; milky sap; young twig & leaf covered with brown indumentum; young fruit glaucous green.

Hab. idem 1355. MO,AA(2),NSI,R

1358 - Theaceae

Shrub c. 5 m tall; diam 2.5 cm; less branched; flower but green; fruit green.

Hab. idem 1355. MO,AA,R(3)

1359 Polyalthia Annonaceae

Tree c. 12 m tall; diam 13 cm; bark grey, c. smooth; flower pale green; fruit dark green; cauliflora.

Hab. idem 1355; common. MO,AA,R(4)

1360 Antrophyum Polypodiaceae

Epiphyte c. 3 m tall.

Riverside, shade and moist place.

MO

1361 Aglaia Meliaceae

Shrub c. 2 m tall; less branched; 1.5 cm diam; fruit bright red.

Riverside, slightly open place. MO

1362 Aporusa

Small tree c. 5 m tall; diam 4 cm; fruit green.

Shade and moist place, near by river side.

MO,AA,R(5)

11.XI.'08

1363 Ferreshorea aptera Slack Dipterocarpaceae (p314)

Tree c. 30 m tall; diam 24 cm; outer bark brown, longitudinal ridged; inner bark thick, yellow; leaf glaucous underneath; fruiting calyx dry brown; fruit brown slightly tuberculed. Primary forest, on slopes; occasional.

BO,AA(?),RCI,R(6)

1364 Berringtonia Lecythidaceae

Tree c. 7 m tall; diam 14 cm; bark brown, crack; peduncle purple; flower bud purple.

Hab. idem 1363. BO,AA,R

1365 - Rubiaceae

Small tree c. 4 m tall; diam 5 cm; young twig with brown indumentum; calyx pale green; corolla white; stamen white.

Hab. idem 1367. BO,AA,R(6)

1366 Hopea pachycarpa (Heim.) Sym. Dipterocarpaceae

Tree c. 15 m tall; diam 23 cm; first branched c. 10 m tall; outer bark brown, c. smooth fissured; inner bark thin, yellow; wood yellow; fruit greyish dark green; "nerawan bukit".

Hab. idem 1363. BO,AA,RCI,J(11)

1367 Musa Musaceae

Spurious stem c. 1.5 m tall; pale green; lamina 4 m long; petiole 0.75 m long; unequal basal; bunch growing up 1 m long, 16 cm; fruit 20 cm long, 7.5 cm diam, edible; bract purple; corolla green, anther brown.

Hab. idem 1363. BO(?),MA(?),R(4)

1368 Litsea Lauraceae

"Wodong scent", tree c. 15 m tall; diam 13 cm; first branched c. 10 m; monoiflora.

Hab. idem 1363. BO(?),AA(2),H(7)

1369 Nemacylon Melastomataceae

Tree c. 27.5 m tall; diam 18 cm; first branched c. 15 m; outer bark crack; inner bark dull brown, thin; young leaf purple; fruit greenish white, violet when ripe, abundance.

Hab. 1367; occasional. BO(?),AA(2),NGI,H(7)

1370 - Convolvulaceae

Climber c. 10 m long; diam 1 cm; calyx green; petal white with purple inthe centre.

Hab. idem 1363. BO(?),AA(2),H(7)

1371 - Annonaceae

Shrub c. 1.5 m tall; diam 1 cm; less branched; fruit orange;

Hab. idem 1363. BO

1372 Atuna Rosaceae

Tree c. 35 m tall; diam 41 cm; first branched 20 m tall; outer bark grey, smooth; inner bark reddish brown; under bark / pale brown, fragile; wood yellowish brown, hard; young fruit brown, reticulate; c. 1.5 cm diam, ripe edible. / 5 mm thick.

Hab. idem 1367. BO(?),AA(3),NGI,S(6)

1373 Knema Myristicaceae

Small tree c. 5 m tall; diam 5 cm; much branched; leaf glaucous underneath; twig and fruit with brown indumentum.

Hab. idem 1367. BO(?),AA(?),H(4)

1374 Myristica Myristicaceae

Tree c. 20 m tall; diam 25 cm; first branched c. 8 m tall; leaf glaucous underneath; fruit greenish green; young seeds white with green frill.

Hab. idem 1363. BO(?),AA,R(2),NGI

12.XI.'83

1375 Hydnocarpus Flacourtiaceae

Tree c. 15 m tall; diam 15 cm; fruit brown.

Primary forest, on slope; 100 m alt. BO(2)

1376 Costus Zingiberaceae

Herb c. 0.60 m tall; inflorescence red.

Hab. idem 1375. BO

1377 ~~[illegible]~~ Hullettia dumosa King Burseraceae

Small tree c. 5 m tall; diam 5 cm; young fruit green; ripe later.

? new record for Sumatra / Indonesia BO,AA,NGI,R(2)

1378 Sandoricum Meliaceae

"Kayu", tree c. 25 m tall; diam [illegible] cm; young fruit greenish green.

Hab. idem 1375. BO(2),AA(2),R(4)

1379 – Euphorbiaceae

Tree c. 15 m tall; diam 20 cm; outer bark brown, slightly impressed longitudinal crack; inner bark orange red, 7 mm thick.

Hab. idem 1375. BO(3),AA(2),NGI,R(3).

1380 Elaeocarpus Elaeocarpaceae

Small tree c. 6 m tall; diam 8 cm; bark grey with fine reticulate crack; fruit greenish green.

Hab. idem 1375. BO,AA(2),NGI,R(4)

1381 Gonystylus Thymelaeaceae

Small tree c. 14 m tall; diam 12.5 cm; outer bark dark brown; flaking; inner bark pale orange, 5 mm thick; inflorescence yellowish green.

Primary forest, near water canal; 100 m alt.

BO(?),AA(?),NO7,N(3)

1382 - Gesneriaceae

Herb ; white flower.

Hab. idem 1381; scattered.

AO

1383 Eugenia Myrtaceae

Small tree c. 4 m tall; diam 4 cm; fruit pink.

Hab. idem 1381.

BO

1384 Glochidion Euphorbiaceae

Shrub c. 3 m tall; diam 1 cm; fruit yellowish green.

Hab. idem 1381.

BO,AA,N(3)

1385 - Meliaceae

Tree c. 10 m tall; diam 20 cm; bark brown, slightly smooth, flaking.

Primary forest, on slope.

BO(?),AA(?),N(7)

1386 Scorodocarpus Olacaceae

Tree c. 35 m tall; diam 50 cm; buttress 80 cm; bark brown, deeply fissured; smell garlic; fruit green.

Hab. idem 1385.

BO(?),AA(?),N(10)

1387 Gymnacranthera Myristicaceae

Tree c. 35 m tall; diam 60 cm; bark rugose, slightly flaking; watery sap; flower orange; fruit orange; aril red.

Hab. idem 1385.

BO(?),AA(3),N(9)

1388 Gonocaryum Icacinaceae

Small tree c. 4 m tall; diam 5 cm; bark green, c. smooth; inner bark brown; fruit green.

Hab. idem 1385.

1389 Prunus Rosaceae

Shrub c. 7.5 m tall; diam 2 cm; young leaf pale green; flower white, stamen brownish white; young fruit greenish grey, reddish black when ripe.

Hab. idem 1385.

1390 Lasianthus Rubiaceae

Shrub c. 1 m tall; diam 2 cm; fruit orange.

Hab. idem 1385.

1391 Diospyros Ebenaceae

Small tree c. 5 m tall; diam 5 cm; bark black, fibrous; fruit green.

Hab. idem 1385. HO,AA(?),R(?)

1392 Grinelyia Guttiferae

Tree c. 15 m tall; diam 13 cm; fruit green.

Hab. idem 1385. HO(?),AA(?),R(?)

1393 - Euphorbiaceae

Shrub c. 2 m tall; diam 2 cm; flower orange yellow.

Hab. idem 1385. HO(?),AA(?),R(?)

1394 Polyalthia Annonaceae

Tree c. 11 m tall; diam 12 cm; bark grey, c. smooth; young fruit green.

Hab. idem 1385. HO(?),AA(?),R(?)

1395 Ficus Moraceae

Small tree c. 3 m tall; diam 4 cm; fruit yellow turning red.

Hab. idem 1385. LO(2),AA(2),R(7)

1396 Dysoxylum Meliaceae

Tree c. 20 m tall; diam 18 cm; bark reddish brown, flaky; inner bark pale orange, 5 mm thick; young fruit greenish orange when ripe, 4 cm diam.

Hab. idem 1385. LO(2),AA(2),NGI,R(5)

1397 Mallotus Euphorbiaceae

Tree c. 18 m tall; diam 20 cm; bark grey, slightly rugose, inner bark red, under bark orange; fruit green.

Hab. idem 1385. NO,AA,NGI,R(3)

1398 Dillenia Dilleniaceae

Small tree c. 6 m tall; diam 5 cm; calyx green; corolla white.

Hab. idem 1385. NO,AA,NGI

1399 Antidesma Euphorbiaceae

Small tree c. 6 m tall; 5 cm diam; bark brown, c. smooth; young leaf reddish green; flower green.

Hab. idem 1385. NO(2),AA(2),R(4)

1400 Aporusa Euphorbiaceae

Small tree c. 8 m tall; diam 10-15 cm; bark brown, c. smooth; 2mm thick; fruit greenish to yellowish red, sweet orange.

Hab. idem 1385. NO,AA,NGI,R(6)

1401 -

Herb c. 1.5 m tall, bearing 1-2 leaves, 40 cm long; pedicel c. 15 cm; corolla tube 15 cm long; labellum-wing creamy white, midle rib yellowish white to creamy white.

Hab. idem 1385; rare. BO. AA

1402 - Myristicaceae

Tree c. 20 m tall; diam 30 cm; outer bark grey, flaky, inner bark red; watery red sap; fruit orange, arilus orange-red.

Hab. idem 1385. BO

1403 Tyero Arecaceae

Tree c. 10 m tall; diam 120 cm; outer bark deeply sculpture, corky; white latex; fruit and leaf from the ground.

"Jelutong" BO

Hab. idem 1385.

1404 Elmeodendron Euphorbiaceae

Tree c. 30 m tall; diam 20 cm; bark light brown, c. smooth to c. rugose; fluted 2 m above prop root; fruit green; inner bark orange red, 7 mm thick.

Hab. idem 1385. BO. AA, NCI, R

1405 Ouroulipo Amaryllidaceae

Herb c. 0.60 m tall; flower yellow. BO, AA, R

Hab. idem 1385.

17.XI.'80

1406 Globa Zingiberaceae

Herb c.0.30 m tall; stem purple; flower orange; staminode purple. Primary forest, hill slope, sunlighted. BO, AA, R

1407 Strombosia Olacaceae

"Kayu kuning", tree c. 30 m tall; diam 30 cm; outer bark smooth, longitudinal fissured, inner thick, reddish brown; wood yellow.

1407 Slightly wood; first branches c. 2 m tall; sap whitish; corolla green, inside with white hairs at the top; anther greenish yellow; leaf bright dark green.
Hab. idem 1406. BO, AA (2) NCI, R(7)

1408 Dyera Apocynaceae
"Jelutung"
Tree c. 8 m tall; lf ex dicn; outer bark brown, cracked; inner bark white, thick; milky latex; leaf glaucous underneath.
Hab. idem 1406. BO. AA, NCI (5)

1409 Didymocystis Gesneriaceae
Herb, c. 0.80 m tall; calyx green; corolla white, yellowish inside with two yellow stripes on the throat.
Hab. idem 1406; shade and moist; scattered.
BO. AA, R (3)

1410 Smilax Liliaceae
Undershrub c. 1 m tall; much branched; fruit brownish yellow.
Hab. idem 1406; rare. BO, AA, R (3)

1411 Medinilla Melastomataceae
Epiphyte c. 4 m above ground; berry orange red.
Hab idem 1406; rare.
BO, AA, R (3)

1412 ~~Genus~~ Syzygium ? ~~Crucifer~~ Myrtaceae
Small tree c. 2 m tall; diam 5 cm; first branches c. 3 m tall; berry bright pink-bright red.
Hab. idem 1406. BC, AA, R (5)

1413 Ilex Aquifoliaceae
Shrub c. 2.5 m tall; diam 2 cm; much branched; bark bluish; rhamniflora; fruit purple.
Hab. idem 1406. BC, AA, R (5)

1414 -

Undershrub c. 1.5 m tall; diam 0.5 cm; calyx pale brown; corolla & anther pure white.

Hab. idem 1406; rare.

BC, AA

1415 Polyalthia Annonaceae

Tree c. 12 m tall; diam 12 cm; first branched c. 15 m; outer bark brown; inner bark yellow, thin, lenticelate; fruit bright red, abundant.

Hab. idem 1406; common. BC (a), AA (a), R (9)

1416 Rubiaceae

Herb c. 0.25 m tall; stem greenish purple; calyx purplish; corolla pure white.

On bottom of gully, swamp area; locally.

BC, AA

1417 - Gesneriaceae

Herb c. 0.20 m tall; stem purplish green; calyx green; corolla tube purplish white; under lip inside with two stripe yellow.

Hab. idem 1416; locally abundant. BC, AA, R (5)

1418 Diplazium Athyrium group

Short creeping rhizome; stipe shining black; lamina shining bluish green upper sides; veri brown.

Hab. idem 1416. BC, AA, R (5)

1419 - Gesneriaceae

Herb c. 0.20 m tall; stem dark green; bract green.

Hab. idem 1416. BC, AA, R (6)

1420 - Melastomaceae

Epiphyte c. 2 m above ground; bract greenish white with purple at the tip; capsule green.

Hab. idem 1416. BC, AA, R

1421 Pelosalyx Rhizophoraceae

Tree c. 30 m tall; diam 40 cm; fluted 2 m tall; outer bark reddish brown, granular; inner bark orange red, 7 mm thick; wood hard, oxeole; first branch c. 20 m tall; phenomorphous kneed; [illegible] leaf brownish hairy underneath; corolla tube green with brown hairs, inside pale green; anthers purple, fruit green.

Hab. idem 1416, stream bed. BO (2) AA (2) NCI, R(4)

1422 Uropyllum Rubiaceae

Tree c. 10 m tall; diam 15 cm; bark brown; hairy green, with white at the top; first branched c. 2 m tall.

BO, AA (2), R (8)

1423 Schefflera Araliaceae

Epiphyte c. 3 m above ground; shrub c. 1.5 m tall; diam 3 cm; flower pale greenish white; fruit orange.

Hab. idem 1421. BO, AA, R (5)

1423 A Tieghemella Sapotaceae

Tree c. 17 m tall, diam 17 cm; bark smooth, brown; first branch c. 8 m tall; fruit green.

Hab. 1421.

1424 Melinlle Melastomataceae

Epiphyte c. 2 m above the ground; leaves glaucous underneath, hairy orange.

Hab. idem 1421. BO, AA, R (4)

1425 –

Climber c. 5 m tall; leaf glaucous underneath; calyx tube green; corolla tube purplish, lobes white, yellow in the centre.

Hab. idem 1421. BO

1426 Eugenia Myrtaceae

Tree c. 5 m tall; diam 8 cm; first branched c. 2.5 m tall; calyx tube green, stamens white. Hab. idem 1421. BO, AA (2), R (7)

1427 - Kingiberaceae

Spurious stem c. 3 m tall; diam 3 cm; first leaf c. 1.5 m tall; outer bract green; calyx dark red; calyx tube dark red; pistil white; spiritus material.

Hab. idem 1421.

Bo. AA, R(5)

1428 - Zingiberaceae

Stemless c. 2 m tall; green petiole; inflorescence c. 50-75 cm tall; outer bark greenish brown; inner bract white, transparen, stripe brown; calyx white; corolla orange especially at the top.

Hab. idem 1421.

Bo, AA, R(4)

1429 Coelogyne Orchidaceae

Epiphyte c. 14 m above ground; lip white outsides, inner, white blotch brown and yellow; staminode greenish.

spiritus material.

Hab. idem 1421.

Bo, AA, R(3)

1430 Sapindus Sapindaceae

"Kelalui", small tree c. 7 m tall; diam 4 cm; bark brownish black; less branched; fruit dark green.

Hab. idem 1421.

Bo, AA, R(5)

1431. - Annonaceae

Small tree c. 8 m tall; much branched; fruit greenish white, flushed pink.

Hab. idem 1421.

Bo, AA, R(6)

1432 Dillenia Dilleniaceae

Tree c. 35 m tall; diam 70 cm; outer bark pale brown, rugose with longitudinal crack; inner bark brownish, 3 mm thick; wood yellow, hard; leaf glaucous underneath; young leaf brownish; flower buc glaucous green; fruiting calyx brownish green; fruit Brownish green. Primary forest, hill slope.

Bo(2), AA(2), NCI, R(12)

1433 Asplenium Asplenium Gr.

Epiphyte c. 2 m above ground; seri brown.

Steep bed, shade place, common. BC, AA, R(5)

1434 Ficus Moraceae

Small tree c. 10 m tall; diam 12 cm; bark c. smooth; reddish brown; white latex; fig green, abundance.

Hab. idem 1433. BC, AA(2), R(7)

1435 Randia Rubiaceae

Tree c. 25 m tall; diam 60 cm; first branched c. 5 m tall; outer bark reddish brown, granular; fluted c. 1 m tall; inner bark reddish brown, laminate, 10-20 mm thick; red sap; flower tube green; lobes green; stamens white; fruit green.

Hab. idem 1433. BC(2) AA(2) NCI, R(9)

1436 Neoeyldon Melastomataceae

Shrub c. 1.5 m tall; diam 1 cm; flower buds greenish white.

Primary forest, hill slope. BC, AA, R(2)

1437 Schefflera Araliaceae

Shrub c. 1.5 m tall; diam 1 cm; flower buds greenish white; fruit bright yellow.

Hab. idem 1436. BC, AA, R(4)

1438 Diplazium Athyrium Group

Terrestrial fern; short creeping rhizome c. 0.50 m tall; upper leaf shining, bluish dark green.

Hab. idem 1436. BC, AA(2) R(9)

1439 Ixiaenthus Rubiaceae

Shrub c. 4 m tall; diam 2 cm; bark brownish; berry white.

Hab. idem 1436. BC, AA(2), R(6)

1440 Davalia Davaliaceae.

Epiphyte c. 7 m above ground; rhizome green spots brown; leaf shining green.

Hab. idem 1436. BO, AA, R(4)

1441 - Dipterocarpaceae

"tenaMarsawa", tree c. 15 m tall; diam 1.5 m; buttress c. 4 m tall; outer bark yellowish brown, rugose; inner bark pale brown, 10 mm thick; wood orange; first branch c. 25 m tall.

On gully; common. BO

1442 Bonnaurea Euphorbiaceae

Small tree c. 7 m tall; diam 3 cm; long branched; fruit pale green.

Hab. idem 1441. BO, AA, R(5)

1443 Myristica Myristicaceae

"Gumpel", tree c. 20 m tall; diam 27 cm; outer bark brown, rugose; inner bark red, 4-5 mm thick; red sap; brown wood; first branch c. 15 m tall; leaf glaucous underneath; fruit orange.

Hab. idem 1441. BO, AA, R(5)

1444 - Araceae

Stemless, c. 1.5 m tall; stem 4 cm diam, white inside; petiole green, purple at the top; flower spathe yellow; male flower yellow; fruit spathe white; fruit bright red.

River sides, shade and moist place, locally. BO, AA, R(6)

1445 Tibouchinia Melastomaceae

"Takau", tree c. 8 m tall; diam 15 cm; first branch c. 6 m tall; outer bark brown, inner bark reddish brown, 3 mm thick; wood yellowish; young leaf pink; flower bud glaucous green.

River sides, rare. BO, AA(2) NcI R(6)

1446

1446 Nymphaea

Stemless growth on the mud with leaf floating on the water; leaf brownish; flower bud brownish.

On shallow ditch, clear water, shade place; locally.

BO, AA, R(4)

1447 –

Tree c. 6 m tall; diam 6 cm; first branched c. 4 m tall; flower cream; fruit green.

Stream bed, shade place. BO, AA (2), R(6)

1448 – Melastomaceae

Herb c. 0.10 m tall; leaf red, especially underneath; berry pink.

Hab. idem 1447 BO, AA

14.XI.'88

1449 Marumia Melastomaceae

Woody liana c. 8 m tall; diam 3 cm; calyx purple; petal pale purple inside, purple outside; anther yellow; flower bud purple.

Hanging wall side, open place, common.

BO, AA, R(9)

1450 Antoporum Euphorbiaceae

Tree c. 10 m tall; diam 7 cm; first branched c. 3 m tall; outer bark brown, rugose, inner bark orange, 3 mm thick; milky juice; fruit green, ribbed.

Hab. idem 1447.

BO, AA(2), NCI, R

1451 Glochidion Euphorbiaceae

Small tree c. 6 m tall; diam 3 cm; much branched; bark brown; leaf glaucous underneath; male flower creamy; anther yellow; fruit glaucous green, flushed pink; seed bright red.

Hab. idem 1447.

BO, AA, R(12)

1452 Mucuna Fabaceae

Woody climber c. 6 m tall; diam 2 cm; young shoot glaucous-green; calyx green; petal greenish white; anther white; flower bud purple.

Hab. idem 1449; locally abundant. BO, AA(2), R(6)

1453 Mucuna Fabaceae

Woody liana c. 6 m tall; diam 2 cm; much branched; leaf glaucous underneath; bracts green, abundant.

Hab. idem 1449. BO, AA(2) R(12)

1454 Phanera Leguminosae

Woody liana c. 25 m tall; diam c. 5 cm; calyx green; petal orange; filament bright red; pistil green.

Hab. idem 1449. BO, AA(2) R(7)

1455 Celtis Ulmaceae

Tree c. 15 m tall; diam 15 cm; first branched c. 8 m tall; young fruit green.

Hab. idem 1449.

1456 Ficus Moraceae

Tree c. 7 m tall; much branched down from the base; leaf silvery underneath; fruit orange abundant.

Hab. idem 1449. BO, AA, R(6)

1457 Mimusops Sapotaceae

Tree c. 17.5 m tall; diam 15 cm; outer bark reddish brown; inner bark reddish, fibrous, c. 5 mm thick; fruit orange, edible; first branched c. 12.5 m tall.

Hab. idem 1449.

1458 Clerodendrum Verbenaceae

Shrub c. 2 m tall; diam c. 1 cm; large inflorescence with bright red flower. Hab. idem 1449. BO, AA, R(5)

1459 Dasyodes Burseraceae

Tree c. 10 m tall; diam 20 cm; first branches c. 6 m tall; bark greyish; underbark yellowish, 2-3 cm thick; smooth with lenticels; wood yellow, hard; fruit orange.

Hab. idem 1449.

BO(2), AA(2), R(9)

1460 Bernaurea Euphorbiaceae

Tree c. 7 m tall; diam c. 6 cm; first branches c. 4 m tall; fruit orange.

Hab. idem 1449.

BO, AA, R(6)

1461 Xanthylon Rutaceae-Toddalioideae

Tree c. 15 m tall; diam 13 cm; first branches c. 4 m tall; prev. number 1369.

Hab. idem 1449.

BO, AA(2) R(7)

1462 Aglaiem Compositae

Woody liana c. 12 m tall; diam 7 cm; fruit orange.

Hab. idem 1449.

BO, AA, R(5)

1463 Sulenaria Euphorbiaceae

Shrub c. 3 m tall; diam 2 cm; flower green.

Hab. idem 1449.

BO, AA, R

1464 Tyblirgrenne Polypodiaceae

Solitary terrestrial fern or very small epiphyte; rachis shining brownish black, powdery when young; fertile; wood brown.

Hab. idem 1449; usually shaded.

BO, AA, R

1465 - Myrsinaceae

Shrub c. 3 m tall; diam 7 cm; bark brown; young leaf pink; flower greenish white.

Hab. idem 1449.

BO(2), AA(3) R(12)

1466 Idenie Euphorbiaceae

Liana c. 5 m tall; leaf glaucous underneath; flower greenish yellow; fruit bright red.

Hab. idem 1449; abundance, covered logging road.

BO, AA(2) R(6)

1467 -

Liana c. 8 m tall; diam 1 cm; flower yellowish white.

Hab. idem 1449.

BO(2) AA(2) R

1468 Cordun Euphorbiaceae

Tree c. 10 m tall; diam 2.0 cm; first branched c. 6 m tall; outer bark brown with reticulate crack; inner bark green; under bark yellow, 3 mm thick; wood yellow; leaf silvery underneath; fruit green with brown indumentum.

Hab. idem 1449.

BO, AA, NCI, R.

1469 Antidesma Euphorbiaceae

Tree c. 4 m tall; diam 5 cm; numerous branched; berry green.

Hab. idem 1449.

BO, AA, R(5)

1470 Ptilogyne Polypodiaceae

Solitary fern or very small tuft, c. 1.5 m tall; rhizome shining brownish black, powdery when young; fronds brown.

Hab. idem 1449; locally abundance.

BO, AA(2) R(10)

1471 Dissochaeta Melastomataceae

Woody liana c. 5 m long; diam 4 cm; calyx tube greenish violet; corolla white; anther yellow; stigma purplish; berry dark violet.

Hab. idem 1449.

BC, AA, R(6)

1472 Disechanelia Polygalaceae

Woody liana c. 5 m tall; diam 1 cm; leaf brown indumentum; calyx lobe green with brown indumentum; petal pink; anther pink.

Hab. idem 1449. BO, AA, R(6)

1473 Ficus Moraceae

Woody liana c. 4 m long; diam 2 cm; leaf dark green; fig dark green, glaety, silky later.

Hab. idem 1449. BO, AA(2) R(9)

1474 Ilthocarpus Fagaceae

Tree c. 22 m tall; diam 20 cm; first branches c. 15 m tall; outer bark greyish; inner bark reddish brown, 3 mm thick; wood reddish; young leaf pinkish; young fruit yellowish green.

Hab. idem 1449. BO, AA, NCI, R(5)

1475 A Brachidio Orchidaceae

Terrestrial orchid, small tuft c. 1 m tall; stem violetish green; leaf dark green, rigid; flower bud green.

Hab. idem 1449, rare. BO, AA, R(6)

1475 B - Tiliaceae

BO, AA(2) R(9)

1476 Duryoma Simaroubaceae

Small tree c. 3 m tall; diam 3 cm; monopodial; rachis reddish brown; flower bud green; fruit dark red.

Hab. idem 1449.

1477 - Leguminosae

BO, AA, R(2)

1478 Medinilla Melastomataceae

BO, AA (2), R (9)

1479 Dissochaeta Melastomataceae

Woody liana c. 5 m long; diam c. 1 cm; calyx tube greenish violet; corolla white; anther yellow; stigma purplish; berry dark violet.

Hab. idem 1449.

BO, AA, R(4)

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1480 Ardisia Myrsinaceae

Shrub c. 1.5 m tall; diam 3 cm; much branched; flower bud dark purple; corolla purple.

Primary forest near by logging road.

BO, AA, R(5)

1481 Sterculia Sterculiaceae

Shrub c. 2 m tall; diam 1 cm; less branched; carpel bright red; seed black.

Hab. 1480. BO

1482 Sterculiaceae

Shrub c. 3 m tall; diam 2 cm; much branched; fruit glaucous green; aril bright red.

Hab. idem 1480. BO,AA(9),R(11).

1483 Myristica Myristicaceae

Tree c. 2 m tall; diam 7 cm; first branched c. 5 m tall; leaf glaucous underneath; flower yellow.

Hab. idem 1480.

BO,AA,R(9)

1484 Caparium Burseraceae

Tree c. 25 m tall; diam 60 cm; first branched c. 15 m tall; outer bark greyish brown, scaly; inner bark pale brown; white

white sap, milky; wood yellow; young fruit pinkish purple;
"aulbi/tehulai".
Hab. idem 1426. [illegible],AA,NCI,R(2)

1425 Antidesma Euphorbiaceae
Small tree c. 6 m tall; diam 5 cm; much branched; bark brown, very thin; wood reddish, young fruit green.
PO(?),AA(2),R(10). Hab. idem 1460.

1426 Nelitrum Sapindaceae
Small tree c. 8 m tall; diam 6 cm; outer bark brownish; inner bark reddish brown, 3 mm thick; wood yellow; flower bud green.
Hab. idem 1460. [illegible],AA,R(7)

1427 Myrinticia Myristicaceae
Tree c. 22 m tall, diam 18 cm; free branched c. 10 m tall; outer bark brown; inner bark reddish brown, 7 mm thick; red sap; wood yellowish brown; fruit green, 4-5 cm diam; flesh thick, 1.5 cm; aril bright red; seeds shining brownish black; fruit abundant.
Hab. idem 1460. [illegible],AA,NCI,?(5)

1428 Calophyllum Guttiferae
Tree c. 25 m tall; diam 18 cm; free branched c. 10 m tall; outer bark brownish yellow; inner bark yellow, 4 mm thick; sap yellow, milky; wood yellow; fruit green.
Hab. idem 1460. [illegible],AA,NCI,?(5)

1429 - Bignoniaceae
Small tree c. 8 m tall; diam 10 cm; bark greyish; less branched; flower bud green.
Hab. idem 1460. [illegible],?(1)

1490 Eugenia Myrtaceae

Tree c. 25 m tall; diam 20 cm; first branched c. 17 m tall; outer bark brown, smooth; inner bark red; young leaf violetish; fruit green.

Hab. idem 1480. BO,AA,R(6)

1491 ~~Shorea~~ Vatica ? (or Agnlaia) Dipterocarpaceae

Tree c. 20 m tall; diam 16 cm; first branched c. 10 m tall; outer bark brown, rugose; inner bark yellow, 3 mm thick; flower bud whitish green; calyx green; petal white, with purple in the center

Hab. idem 1480. SO,AA(?),MCI,R(6)

1492 Lithocarpus Fagaceae

"Ilipau rau", shrubbery; c. 3 m tall; fruit green.

Hab. idem 1480. BO

1493 - Lecythidaceae

Shrub c. 7 m tall; diam 7 cm; much branched; bark greyish; calyx green; corolla white; anther yellowish white, fragrance; cauliflore.

Hab. idem 1480; rare. BO,AA,R(1)

1494 Psychotria Rubiaceae

Shrub c. 6 m tall; diam 5 cm; much branched; calyx glaucous green; corolla tube greenish out side, lobes pure white, fragrance; fruit glaucous green.

Hab. idem 1480. BO,AA(?),R(6)

1495 - Gesneriaceae

Herb c. 10 cm tall; leaf purple; calyx purple; corolla tube white, lip yellow with 2 stripe purple on throat.

Hab. idem 1480, moist and shade place. BO

1496 Baccaurea Euphorbiaceae

Tree c. 12 m tall; diam c. 14 cm; free branched c. 10 m tall; bark brown, crack; innerbark brown, 2 mm think; fruit dark green with brown indumentum, ripe edible, 2 cm diam; "buah tungau".

Hab. idem 1480. BO,AA,NCI,R(3)

1497 - Anacardiaceae

Tree c. 12 m tall; diam 10 cm; free branched c. 8 m tall; bark brownish black; young leaf pink; young fruit green.

Hab. idem 1480.

1498 - Sapotaceae

Tree c. 17 m tall; diam 16 cm; free branched c. 10 m tall; outer bark brown; inner bark brownish red, 4 mm thick; white sap, sticky; leaf & twig with brown hairs; fruit glaucous green.

Primary forest, hill slope. BO,AA,NCI,R(6)

1499 Hydnocarpus Flacourtiaceae

Tree c. 10 m tall; diam 12 cm; free branched c. 5 m tall; outer bark greyish brown; inner bark yellow, c. 1 mm thick; wood yellow, hard; calyx green; petal yellowish green; outer pale green; stigma green.

Old secondary forest, disturbed area, rare.

BO(4),AA(8),NCI(11),G(7)

† 1500 Shorea palembanica Miq Dipterocarpaceae

Tree c. 35 m tall; diam 60 cm; free branched c. 20 m tall; outer bark brown, really/crack; inner bark reddish brown, 2 mm thick.

Hab. idem 1480. AA

1501 Sterculia Sterculiaceae

Shrub c. 3 m tall; diam 5 cm; flower pale green.

Beside River Sidra, rare. BO,AA.

1502 Strychnos Loganiaceae

Climber c. 6 m tall; diam 2 cm; fruit green.

Primary forest, hill slope.

MO,AA,R(10)

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1503 Gonystylus Thymelaeaceae

Tree c. 20 m tall; diam 27 cm; free branched c. 12 m tall; outer bark reddish brown, coarsely corky, longitudinal crack; inner bark pale brown, 10 mm thick; fruit greyish brown, 3.4 cm diam; "ipsiron".

Primary forest, near by logging road.

MO,AA,NCI,V

1504 Pelaquium Sapotaceae

Tree c. 40 m tall; diam 35 cm; free branched c. 17.5 m tall; outer bark reddish brown, crooky-lenticel; inner sides reddish white latex; 7.5 mm thick; leaf brownish underneath; young fruit brown.

Hab. idem 1503. MO,AA,NCI,R(8)

1505 Ayenia Sphaerosepalaceae

Small tree c. 6 m tall; diam 5 cm; free branched c. 4 m; outer bark light brown, flaky; innerbark yellowish, very thin; young leaf pale violet; fruit orange.

Hab. idem 1503. MO,AA(?),NCI,R(8)

1506 Hydnocarpus Flacourtiaceae

Tree c. 15 m tall; diam 17.5 cm tall; free branched c. 10 m tall; bark brownish, cracky; fruit dark green.

Hab. idem 1503. MO,AA,R(7)

1507 Cinnamomum Lauraceae

Small tree c. 6 m tall; diam 5 cm; much branchedly bark

1507 bark brown, rugose; wood yellow; leaf glaucous underneath; young leaf pale green; flower bud greenish.
Hab. idem 1503. BO(2),AA(2),N(11)

1508 Allophylus cobbe Sapindaceae
Shrub c. 2.5 m tall; diam 2 cm; fruit green.
Hab. idem 1503; rare. BO,AA,N(2)

1509 Scurrula Loranthaceae
Shrub c. 4 m tall; diam 3 cm; much branched; calyx green; petal pale white; anther yellow; cauliflora.
Primary forest, on gully near river side, wet place.
BO,AA,N(6)

1510 Ficus Moraceae
Tree c. 10 m tall; diam 10 cm; bark brown; fig dark green with white abundance.
Hab. idem 1509. BO,AA,F(7)

1511 Alocasia longilobe Araceae
Stemless c. 0.50 m tall; petiole pale green; leaf dark green with pale green vein.
Hab. idem 1509, river side. BO

1512 - Zingiberaceae
Stemless plant c. 1 m tall; first leaf c. 2 m tall; diam 3 cm; bract red.
Hab idem 1511. BO,AA,N(6)

1513 Dillenia Dilleniaceae
Tree c. 10 m tall; diam 9 cm; first branchout c. 5 m tall; outer bark brown; calyx pale green; petal white; anther brownish.
Hab. idem 1511. BO,AA,N(6)

1514 Litsea Lauraceae

Tree c. 15 m tall; diam 12 cm; first branched c. 10 m tall; bark brown, c. smooth; flower bud yellowish green.

Hab. idem 1511 BC,AA,R(2)

1515 ? Costus Zingiberaceae

Spurious stem c. 5 m tall; diam 3 cm; terrestrial inflorescence; bract reddish brown; flower yellow; peduncle c. 40 cm long.

Hab. idem 1511. BC,AA,R(3)

1516 Cyrtandra Gesneriaceae

Herb c. 30 cm tall; slightly creeping stem; stem violetish; flower cream, inside corolla tube with two eclipse purple.

Hab. idem 1511, locally abundance.

BC,AA

1517 Sterculia Sterculiaceae

Shrub c. 3 m tall; diam 2.5 cm; calyx pinkish.

Hab. idem 1511. BC

1518 Memecylon Melastomataceae

Shrub c. 4 m tall; diam 3 cm; much branched; bark grey; fruit pink.

Hab. idem 1511. BC,AA,R(7)

1519 Diospyros Ebenaceae

Tree c. 15 m tall; diam 7.5 cm; branched at the top; bark blackish; young fruit green.

Hab. idem 1511.

BC(2),AA(2),R(10)

1520 Xerospermum Sapindaceae

Primary forest, hill slope.

Tree c. 20 m tall; diam 20 cm; first branched 16 .5 m tall; outer bark grey, tuberculate; inner bark reddish brown, thin; young fruit green, r-ru. BO,AA

1521 Styrax Styracaceae

Tree c. 20 m tall; diam 16 cm; bark brown, minutely flaky; inner bark brown; calyx tube green; corolla white; anther orange; flower bud green.

Hab. idem 1520. BO(2),AA(2),RCI,R(11).

1522 Clerodendrum Verbenaceae

Shrub c. 2 m tall; diam 1 cm; calyx dark red; berry black.

Hab. idem 1520. BO,AA

1523 Barringtonia Lecythidaceae

Tree c. 12 m tall; diam 15 cm; first branched c. 3 m tall; bark brown, rugose; flower bud green; young fruit green.

Hab. idem 1520. BO,AA,R(3)

1524 Monocotyle Annonaceae

Tree c. 20 m tall; diam 10 cm; first branched c. 15 m tall; bark brownish black; bark grey c. smooth, inner bark fibrous, yellow, thick; wood yellow, hard; fruit velvetly blackish brown, 6.5 cm diam.

Hab. idem 1520. BO,AA,R(7)

1525 Sonpine Sterculiaceae

Deciduous tree, c. 32 m tall; diam 37 cm; free branched c. 20 m tall; outer bark black; inner bark brownish red, thick; calyx green; petal yellow, purple in the centre, fragrance, bee like to visit.

Hab. idem 1520. BO,AA,RCI,R(3)

1526 -

"Kayu batu", tree c. 40 m tall; diam 105 cm; buttress c. 4 m tall; free branched c. 25 m tall; bark pale brown, crack; inner bark brownish yellow; fruit green; flesh yellow, animal like to eat.

Hab. idem 1500. MO

1527 - Sapotaceae

Tree c. 35 m tall; diam 39 cm; free branched c. 30 m tall; buttress c. 1 m tall; outer bark pale brown, rugose; inner bark pale brown; white latex; young leaf with brown indumentum; young fruit green, rare.

Hab idem 1500. MO,As,NOI

1528 Barringtonia Lecythidaceae

"pitet jungjung wanau", tree c. 50 m tall; diam 40 cm; free branched c. 20 m tall; outer bark brown, crack; inner bark brownish yellow, 1.1 cm thick; fruit dark green, eaten by monkey.

Hab. idem 1511. MO,As,N(?)

1529 Cyclosorus Polypodiaceae

Stem long c. 0.75 m tall; solitary; stipe shining black; scale brown.

Hab. idem 1511. MO,As,N(?)

1530 Antrophyum Vittaria gr.

Epiphyte c. 7 m above ground; leaf dingin green.

MO,As.

1531 - Schizaeaceae

Epiphyte, herb c. 30 cm above ground; fruit green.

Hab. idem 171. MO

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1532 Tiernpidu [illegible]

Shrub c. 7 m tall; diam 2 cm; much branched; fruit greenish.

Primary forest, along Sewirih River side. [illegible]

1533 Kadirilla [illegible]

Epiphyte c. 5 m above ground; understem c. 0.75 m tall; calyx tube green; flower bud white; fruit orange.

Heb. idem 1532. [illegible]

1534 Wagenis [illegible]

Small tree c. 6 m tall; diam 5 cm; much branched; calyx tube pale green; stamen white; flower bud greenish white, purple at the tip.

Heb. idem 1532. [illegible]

1535 - [illegible]

Shrub c. 7 m tall; diam 2.5 cm; fruit green.

Heb. idem 1531. [illegible]

1536 Iapa [illegible]

Shrub c. 4 m tall; diam 3 cm; much branched; calyx green; corolla glaucous green; anther yellow; fruit greenish purple.

Heb. idem 1531. [illegible]

1537 [illegible] [illegible]

Epiphyte c. 2 m tall above ground; flower greenish white; fruit green with violet rib.

Heb. idem 1532. [illegible]

1538.. - [illegible]

Spurious stem c. 7 m tall; first leaf 1 m tall; inflorescence very close to the [illegible] stem; bracts reddish; white in the

1538 In the middle; flower but pinkish.
Hab. idem 1532. BO,Ao,R(2)

1539 -
Tree c. 7 m tall; diam 10 cm; free branched c. 4 m tall; fruit green.
Hab. idem 1537; misc. BO,AA,R(4)

1540 Gmelina Verbenaceae
Woody liana c. 20 m tall; diam 3 cm; cauliflorous; fruit orangish yellow.
Hab. idem 1532. BO,Ar,R(5)

1541 Calophyllum Clusiaceae
Tree c. 23 m tall; diam 50 cm; free branched c. 15 m tall; outer bark grey, flecking; inner bark orange, 12 mm thick; yellow sap; fruit glaucous green.
Primary forest; diam in the logging area. BO,Ar,R(5),NCT

1542 ~~[illegible]~~ Anisoptera laevis Ridl. . . . Dipterocarpaceae (PON)
"Meranaw", tree c. 32 m tall; diam 70 cm; free branched c. 20 m tall; outer bark grey, centrally fissured, crocky; inner bark orange red, 10 mm thick; fruit pale green, sticky.
Hab. idem 1541. BO(?),AA(?),R(11).

1543 Nelscium Melastomataceae
Shrub 7 m tall; diam 3 cm; least purplish underneath.
Hab. idem 1532. BO,AA,R

1544 Ficus Moraceae
Epiphyte c. 3 m above the ground; shrub c. 7 m tall; diam 1.5 cm; fig orange.
Hab. idem 1538. BO,Ar,R(5)

1545 Nuuale. Ericaceae

Shrub c. 6 m tall; diam 8 cm; flower white.

Neb. idem 1532. DO,AA,R(6)

1546 Pogostemon Labiatae

Herb c. 0.5 m tall, much branched coarse from the base; stem purplish; flower white.

Neb. idem 1532. DO,AA,R(8)

1547 Tyrosis Polypodiaceae

Epiphyte c. 20 m above ground; scrl brown.

Neb. idem 1532. DO(2),AA(2),R(7)

1548 Sterculia Sterculiaceae

Shrub c. 3 m tall; diam 1 cm; much branched; fruit glaucous green; aril bright red.

Secondary forest, open place. DO,AA,R(6)

1549 Ardisia Myrsinaceae

Tree c. 7 m tall; diam 5 cm; free branched 5 m tall; flower purple.

Neb. idem 1540. DO,AA,R(7)

1550 Knema Myristicaceae

Tree c. 8 m tall; diam 10 cm; free branched c. 6 m tall; fruit with brown indumentum; young aril yellow.

Neb. idem 1532. DO,AA,R(7)

1551 - Lauraceae

Small tree c. 4 m tall; diam 4 cm; much branched; flower bud green.

Neb. idem 1532; fern. DO(7),AA,R(11)

1552 - Melastomaceae

Shrub c. 1.5 m tall; much branched from base; calyx tube green; petal, anther, and stamen blue;

Neb. idem 1532; common. MO,AA,S(10)

1553 Melastomaceae

Herb c. 0.20 m tall; fruiting calyx green; fruit purple, greenish at the base.

Neb. idem 1532. MO,B(1),AA.

1554 Sinko Simaroubaceae

Herb c. 60 cm; bract red; corolla orange.

Neb. idem 1532. BO

1555 - Lauraceae

Tree c. 7 m tall; diam 9 cm; free branched c. 3 m tall; fruiting calyx green; fruit greenish white.

Neb. idem 1532. MO,AA,S(7)

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1556 - Annonaceae

Tree c. 30 m tall; diam 36 cm; free branched c. 15 m tall; outer bark grey, c. smooth, inner bark pale yellow, fibrous, 5 mm thick; fruit reddish green.

Primary forest, hill slope; 100 m alt.

MO,AA,NOI,A(2)

1557 Bellotus Euphorbiaceae

Small tree c. 1.5 m tall; diam 1 cm; fruit yellowish green.

Neb. idem 1556. MO,AA,B(1)

1558 Tothon Araceae

Epiphyte c. 7 m above ground; spathe reddish brown; fruit yellow.

Neb. idem 1556. MO,AA,B(5)

1559. Lithocarpus Fagaceae

Tree c. 22.5 m tall; diam 24 cm; outer bark grey; inner bark brown, 6 mm thick; flower greenish yellow.

Hab. idem 1556. MO(?),AA(2),R(7)

1560 - Meliaceae

Tree c. 17.5 m tall; diam 16 cm; white latex.

Hab. idem 1556. MO,AA,NCI,R(6)

1561 Garcinia Guttiferae

Tree c. 10 m tall; 12 cm diam; bark brownish black; young fruit pale green.

Hab. idem 1556. AA,MO

1562 Ficus Moraceae

Epiphyte c. 10 m above ground; leaf yellowish green underneath; fruit green.

Hab. idem 1556; occasional. MO,AA(2),R(8)

1563 Syzygium Myrtaceae

Climber c. 15 m tall; diam 8 cm; calyx green; corolla green; stamen yellowish; anther yellow; fruit pale green.

Hab. idem 1556. MO(?),AA(?),R(?)

1564 - Euphorbiaceae

Tree c. 27 m tall; diam 44 cm; outer bark dark brown; inner bark reddish brown, 7 mm thick; fruit green turning yellow, edible.

Hab. idem 1556; rare. MO,AA,NCI,R(4)

1565 Trichilia Meliaceae

Epiphyte c. 5 m above ground; flower pale green.

Hab. idem 1556; rare. AA,MO.

1566 Eugenia Myrtaceae

Tree c. 30 m tall; diam 50 cm; outer bark flacky, dark brown; inner bark yellowish brown; fruit green.

BO,AA,R(7)

1567 Aporosa Euphorbiaceae

Small tree c. 17.5 m tall; diam 15 cm; fruit red.

Hab. idem 1556.

BO,AA,R(7)

1568 - Polypodiaceae

Epiphyte, c. 15 m above ground.

Hab. idem 1556; common.

BO,AA,R(5)

1569 Baccaurea Euphorbiaceae

Tree c. 15 m tall; diam 13 cm; free branched c. 8 m tall; outer bark brown, rugose, flacky; inner bark pale brown; 3 mm thick; fruit 4-5.3 cm diam.

Hab. idem 1556; rare.

1570 - Sterculiaceae

Shrub c / 1.5 m tall; diam 1 cm; ypung leaf purplish underneath; flower bud greenish; calyx green; anther yellow.

Secondary forest, open place; common. BO,AA

1571 - Capparidaceae

Woody liana c. 3 m tall; diam 2 cm; young fruit green.

Hab. idem 1570.

AA,BO,R

RENGAT- Swampy forest, ditch beside road.

1572 Nepenthes mirabilis - now N. gracilis Korth., N. mirabilis (Lour.) Druce, + N. rafflesiana Jack Nepenthaceae

Duplicate specimen cited in M. Jebb. & M. Cheek, Blumea 42(1): 96-103. det. K.K. McDonnell June 1998

Robust liana c. 6 m tall; diam 1 cm; flower bud green; tepal green turning purple; anther yellow; pitch green, purple on mouth.

BO(2),AA(2),R(8)

1573 Ludwigia Onagraceae

Underchrub c. 2.5 m tall; diam 2 cm; much branched; calyx green; corolla, stamen, anther, bright yellow; pod greenish.

BO,AA,R(8)

1574 Ludwigia Onagraceae

Climber, floating on the water; calyx green; petal white; yellow at the centre; stamen, stigma yellow.

BO,AA,R(7)

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1575 Euodia Rutaceae

Tree c. 18 m tall; diam 18 cm; free branched c. 10 m tall; bark brownish; flower greenish white, fragrance; young fruit dark green.

Secondary forest, common in ladang margin.

BO(2),AA(2),R(9)

1576 Dacryodes Burceraceae

Tree c. 20 m tall; diam 30 cm; free branched c. 10 m tall; Prev. number 1459.

Primary forest, near by logging road.

BO(2),AA(2),R(10)

1577 Iodes Icacinaceae

Slender liana c. 6 m tall; calyx greenish orange; anther yellow; fruit green.

Hab. idem 1576.

BO(2),AA(2),R(6)

1578 Gonystylus Thymelaceae

Tree c. 25 m tall; diam 23 cm; first branched c. 15 m tall; Prev. number 1503.

Hab. idem 1576.

BO(2),AA(2),R(10)

1579 Dialium Leguminosae

Tree c. 35 m tall; diam 41 cm; free branched c. 22.5 m tall; butress c. 2 m tall; redsap; outer bark mottel, grey & reddish brown, rugose, flacking; inner bark pale orange, 4 mm thick; wood white; fruit dry black; 100% seeds eaten by insect(beetle).

Hab. idem 1576.

BO,AA,NCI,R(7)

1580 Eyrya Theaceae

Shrub c. 6 m tall; diam 5 cm; much branched; calyc green; petal white; young fruit green.

Hab. idem 1576.

BO,AA,R(10)

1581 Dialium Leguminosae

Tree c. 35 m tall; diam 50 cm; free branched c. 10 mt all; butress 1 m tall; puter bark mottle grey, reddish brown; inner bark orange red; slightly lenticellate, 8 mm thick; fruit dry black.

Hab. idem 1576.

BO,AA,NCI,R(5)

1582 Dysoxylum Meliaceae

Tree c. 15 m tall; diam 14 cm; free branched c. 10 m tall; outer bark brown, c. smooth; inner bark reddish brown; white sap; fruit orange-dull orange, inner sides reddish brown; white latex, stcky.

Hab. idem 1576.

BO,AA,NCI,R(5)

1583 Eugenia Myrtaceae

Tree c, 20 m tall; diam 22 cm; free branched c. 15 m; outer bark brown, crack; berry pin to dark red, small bird like to eat.

Hab. idem 1576.

BO(2),AA(2),R(7)

1584 -

Slender liana c. 10 m tall; flower greenish, abundance.

Hab. idem 1576.

BO,AA(2),R(10)

1585 Tetracera Dilleniaceae

Woody liana c. 10 m tall; diam 2 cm; fruit pinkish, abundance.

Hab. idem 1576.

BO,AA,R(11)

1586 Vitex Verbenaceae

Shrub c. 2.5 m tall; diam 3 cm; much branched; young leaf pink; calyx green; corolla bright yellow.

Hab. idem 1576.

BO(2),AA(2),R(8)

1587 - Anonaceae

Tree c. 15 m tall; diam 17 cm; free branched c. 10 m tall; outer bark greenish brown, rugose; inner bark pale brown, 4 mm thick; wood yellow; fruit 10.5 cm diam, greeyish, outer layer cream, inner white; aril brown; rhamniflora.

Hab. idem 1576.

BO 2, AA 2, R

1588 Antidesma Euphorbiaceae

Shrub c. 1.5 m tall; diam 1 cm; less branched; fruit dark red.

Hab. idem 1587.

BO.

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1589 Mussaenda Rubiaceae

Woody liana c. 6 m tall; diam 2 cm; much branched; one larger calyx white (atractive); corolla greenish white, lobes bright red turning orange, yellow in the centre;

Secondary forest, along logging road; common.

BO,AA,R(7)

1590 -

Shrub c. 3.5 m tall; diam 2 cm; much branched; fruit green.

Hab. idem 1589; rare.

BO(2),AA(2),R(11)

1591 - Euphorbiaceae

Tree c. 17.5 m tall; diam 23 cm; free branched c. 10 m tall; white latex; outer bark brown, crack; inner bark white, 2 mm thick; flower bud yellow.

Hab. idem 1589; rare. BO,AA,R

1592 - Verbenaceae

Liana c. 15 m tall; diam 3 cm; much branched; flower bud, bract, calyx pale violet; corolla tube pale purple, lobes purple; stamen, anther dark purple; stigma white.

Hab. idem 1589. BO(2),AA(2),R(10)

1593 - Menispermaceae

Woody liana c. 10 m tall; wood yellow; fruit shining green.

Hab. idem 1589. BO,AA,R(6)

1594 Gonystylus Thymelaceae

"Topisan", tree c, 15 m tall; diam 16 cm; bark dark brown.

Prev. number 1503.

Hab. idem 1589. BO,AA,R(8)

1595 Ficus Moraceae

Small tree c. 6 m tall; diam 8 cm; much branched cones from the base; leaf silvery under neath; fruit cream.

Hab. idem 1589. AA,BO,R(90)

1596 Sloetia Moraceae

Tree c. 10 m tall; diam 24 cm; free branched c. 5 m tall; fruit green.

Hab. idem 1589. BO,AA,R(11)

1597 - Sapotaceae

Shrub c. 3 m tall; diam 2.5 cm; much branched; under leaf & twig with brown indumentum; fruit glougous green.

Hab. idem 1589. BO,AA(2),R(8)

1598 Diospyros Ebenaceae

Tree c. 6 m tall; diam 7 cm; free branched c. 4 m tall; bark grey, fruit dark green.

Hab. idem 1589. BO(2),AA(2),R(10)

1599 Homalanthus Euphorbiaceae

Shrub c. 4 m tall; diam 4 cm; leaf gloucous underneath, old leaf red; flower bud green; stigma yellow; aril red; seeds brown.

Hab. idem 1589. BO(2),AA(2),R(11)

1600 - Euphorbiaceae

Tree c. 15 m tall; diam 18 cm; free branched c. 6 m tall; bark brwon, smooth; fruit c. 6 cm diam, dark red at the base, tip green.

Hab. idem 1589. BO,AA,R(4)

1601 Diospyros Ebenaceae

Small tree c. 5 m tall; diam 5 cm; wood yellow; bark balckish; fruiting calyx green; fruit dull purple.

Hab. idem 1589.

1602 Monocarpia Anonaceae

Tree c. 15 m tall; diam 24 cm; free branched c. 5 m tall; bark brown, c. smooth; calyx green; petal yellow; fragrance.

Hab. idem 1589.

1603 Barringtonia Lecythidaceae

Tree c. 15 m tall; diam 14 cm; free branched c. 8 m tall; bark brown, crack; peduncle pink; calyx tube pinkish green; petal pinkish green; filament white, pink at the top; anther yellow; stigma pink.

Primary forest near by logging road.

1604 - Lauraceae

Small tree c. 6 m tall; diam 7 cm; bark greyish; leaf gloucous

1604 gloucous underneath; flower bud green.

Hab. idem 1603.

1605 Nephelium Sapindaceae

Tree c. 15 m tall; diam 18 cm; free branched c. 10 m tall; outer bark brown, tuberculate; inner bark brown, 5 mm thick; red sap; wood yellow; fruit abundance, young green; "ranas" edible.

Hab. idem 1603.

1606 Dacryodes Burçeraceae

Tree c. 20 m tall; diam 20 cm; free branched c. 6 m tall; outer bark pale brown; inner bark yellow, 2.5 mm thick; wood yellow; fruit pink, abundance.

Hab. idem 1603.

1607 - Euphorbiaceae

Tree c. 25 m tall; diam 28 cm; free branched c. 15 cm; fruit gloucous green, abundance.

Hab. idem 1603.

1608 Aporosa Euphorbiaceae

Small tree c. 6 m tall; diam 6 cm; much branched; fruit pink at the top, pale green at the pase, abundance.

Hab. idem 1603.

1609 Dadryodes Burçeraceae

Tree c. 22.5 m tall; diam 26 cm; free branched c. 15 m tall; outer bark greyish green; inner bark pale yellow, 2.5 mm thick; wood yellow; fruit orange, abundance.

Hab. idem 1603.

1610 Baccaurea Euphorbiaceae

Small tree c. 5 m tall; diam 4 cm; fruit orangish green.

Hab. idem 1603.

1611 Garcinia Cluciaceae

Tree c. 25 m tall; diam 25 cm; free branched c. 17.5 m tall; outer bark brown, rugose; inner bark yellow; wood white; yellow sap; flower bud green; "asam gelugur".

Hab. idem 1603.

21.XI.'88

1612 -

Shrub c. 4 m tall; diam 4.5 cm; fruit yellowish green.

Primary forest near by logging road, hill slope.

1613 -

Climber 8 m tall; diam 0.5 cm.

Hab. idem 1612.

1612 A Antidesma Euphorbiaceae

Small tree c. 6 m tall; diam 5 cm; much branched; fruit pink.

Hab. idem 1612.

1613 A Mucuna Leguminosae

Climber c. 8 m tall; diam 2 cm; abundance leaf; calyx pale violet; corolla violet. Hab. idem 1612

1614 Ardisia Myrsinaceae

Shrub c. 4 m tall; diam 4.5 cm; fruit yellowish green.

Hab. idem 1612.

1615 -

Climber c. 8 m tall; diam 0.6 cm.

Hab. idem 1612.

1616 - Rubiaceae

Small tree c. 5 m tall; diam 4.5 cm; peduncle pinkish; corolla yellowish green; berry green.

Hab. idem 1612.

1617 - Euphorbiaceae

Tree 10 m tall; diam 13 cm; outer bark grey; inner bark yellow; fruit gloucous green; "mahang".

Hab. idem 1612.

1618 - Anonaceae

Small tree c. 6 m tall; diam 5 cm; fruit pink.

Hab. idem 1612.

1619 - Rubiaceae

Shrub c. 5 m tall; diam 6 cm; much branched; berry yellow.

Hab. idem 1612; common.

1620 - Sapotaceae

Small tree c. 6 m tall; diam 7 cm; much branched; fruit gloucous green.

Hab. idem 1612; common. AA,BO,R(6)

1621 - Rubiaceae

Shrub c. 3 m tall; diam 4 cm; peduncle pinkish; corolla yellowish green; berry green.

Hab. idem 1612; common.

1622 -

"Dulang-dulang", tree c. 30 m tall; diam 23 cm; outer bark brownish red, tuberculate; inner bark yellow, 2.5 mm thick; fruit greenish yellow.

Hab. idem 1612.

1623 - Rubiaceae

Small tree c. 7 m tall; diam 7.5 cm;

Hab. idem 1612.

1624 - Lauraceae

Tree c. 9 m tall; diam 10 cm; outer bark grey, c. smooth; inner bark yellow, 2 mm thick; fruit gloucous green.

Hab. idem 1612.

1625 Sterculia Sterculiaceae

Tree c. 10 m tall; diam 14 cm.

Hab. idem 1612.

1626 - Moraceae

Climber c. 6 m tall; much branched; berry orange.

Hab. idem 1612; common.

1627 - Loranthaceae

Parasite c. 40 m above ground; calyx tube green; corolla tube red, lobes purplish at the top; anther purple; stigma pink; abundance.

Hab. idem 1612.

1628 - Meliaceae

Tree c. 15 m tall; diam 14 cm; free branched c. 6 m tall; flower green.

Hab. idem 1612.

1629 Gardenia Rubiaceae

Tree c. 15 m tall; diam 14 cm; free branched c. 10 m tall; fruit green.

Hab. idem 1612.

1630 - Meliaceae

Tree c. 15 m tall; diam 33 cm; outer bark grey; inner bark brown; fruit red.

Hab. idem 1612. BO,AA,R(5)

1631 Artocarpus Moraceae

"terap tungkal", tree c. 40 m tall; diam 67 cm; outer bark grey inner bark yellowish; white latex.

Hab. idem 1612.

BO,AA,R(6)

1632 - Lauraceae

Small tree c. 8 m tall; diam 7 cm; leaf gloucous underneath; fuit waxy-green.

Hab. idem 1612.

BO,AA,R(4)

22.XI.'88

1634 Gardenia Rubiaceae

Tree c. 12.5 m tall; diam 18 cm; free branched c. 5 m tall; bark brown, crack; leaf gloucous underneath; fruit gloucous green.

1635 Memecylon Melastomataceae

Tree c. 14 m tall; diam 16 cm; free branched c. 8 m tall; outer bark brown, crack; inner bark pale brown, 2 mm thick; wood yellow, hard; fruit green.

Primary forest, hill slope.

1636 Rahdia Rubiaceae

Small tree c, 8 m tall; diam 6 cm; free branched c. 2m tall; bark pale brown, crack; calyx tube green; corolla white, fragrance; berry orange.

Hab. idem 1635; common; open place.

1637 Trema Ulmaceae

Shrub c. 3.5 m tall; diam 3 cm; much branched; berry orange, abundance, small bird like to eat.

Hab. idem 1635; common; open place.

1638 - Verbenaceae

1638 - Verbenaceae

Liana c. 6 m tall; diam 2 cm; much branched; bract violet; calyx tube & corolla tube violet, abundance.

Hab. idem 1635; common; open place.

1639 - Leguminosae

Liana c. 6 m tall; diam 1.5 cm; leaf with brown indumentum underneath; flower bud pale green.

Hab. idem 1635.

1640 - Asclepiadaceae

Liana c. 3 m tall; diam 1 cm; white sap.

Hab. idem 1635.

1641 Clerodendrum Verbenaceae

Shrub c. 3 m tall; diam 3 cm; stem dark green; flower bright red.

Hab. idem 1635.

1642 - Conaraceae

Liana c. 6 m tall; much branched; fruit green.

Hab. idem 1635.

1643 - Euphorbiaceae

Small tree c. 6 m tall; diam 5 cm; much branched; fruit dark green.

Hab. idem 1635.

1644 Ardisia Myrsinaceae

Shrub c. 3 m tall; diam 2 cm; much branched; berry pale green, purple.

Hab. idem 1635.

1645 Dysoxylum Meliaceae

Tree c. 15 m tall; diam 10 cm; free branched c. 6 m tall; outer bark greyish brown, c. smooth; young fruit green.

Hab. idem 1635.

1646 -

Small tree c. 6 m tall; 7 cm diam; outer bark grey; wood brown; fruit green; rare.

Hab. idem 1635.

1647 + Hopea pachycarpa (Hiern) Symington Dipterocarpaceae (p311)

Tree c. 17.5 m tall; diam 16 cm; free branched c. 10 m tall; outer bark dark brown, tuberculate, inner bark yellow, 3 mm thick; fruiting calyx green; fruit yellow.

Hab. idem 1635.

1648 Gnetum Gnetaceae

Shrub c. 2 m tall; diam 1 cm; much branched; spika yellow; fruit green.

1649 Memecylon Melastomataceae

Shrub c. 3 m tall; diam 3 cm; much branched; flower bud pale blue;,calyx tube purplish; petal white, blue in the centre; stamen blue.

Hab. idem 1635.

1650 Shorea potaninbaomica Dipterocarpaceae

Tree c. 45 m tall; diam 120 cm; free branched c. 25 m tall; butress c. 3 m tall; outer bark longitudinal crack, rugose; inner bark brown; 9 mm thick.

Hab. idem 1635.

1651 Aglaia Meliaceae

Tree c. 35 m tall; diam 28 cm; free branched c. 25 m tall; outer bark brown; inner bark white, very thin; fruit dull greyish green, abundance.

Primary forest, near gully. BO, AA (2), R(5)

1652 Polyalthia Anonaceae

Tree a. 15 m tall; diam 17 cm; free branched c. 8 m tall; outer bark brown, tuberculate; inner bark pale brown, 1.5 mm thick; wood yellow; fruit on base trunk, close to the ground, abundance; compound fruit c. 12 cm diam; fruit 2 cm diam, pinkish green.

Hab idem 1635. BO, AA(2), R(2)

1653 - Zingiberaceae

Spurious stem c. 3 m tall; diam 2 cm; first leaf 1.75 m tall; terrestrial inflorescens, repens, 1.20 m long, sometimes until 2 m; bract pink; calyx pink, transparan; upper lip white strips pink; under lip white, yellowish in the centre; fruit greenish white, yellowish in the centre.

River sides, moist and shade place, locally abundance.

BO

1654 Artocarpus Moraceae

Tree c. 25 m tall; diam 30 cm; free branched c. 15 m tall; outer bark blackish brown; white latex; fruit 12 cm diam, yellow, white latex, monkey like to eat.

Hab. idem 1653; common. Bc

24.XI.'88 - Sesirih, 220 m alt.

1655 Baccaurea Euphorbiaceae

Tree c. 12 m tall; diam 15 cm; free branched c. 8 m tall; outer bark greyish brown, c. smooth; inner bark dark red, 2 mm thick; rhamniflora; young fruit green with brown indumentum, 4 cm diam; ripe fruit edible, "sibongang".

Primary forest, hill slope. BO, AA(2) R(7)

1656 - Burgeraceae

Tree c. 25 m tall; diam 17 cm; free branched c. 20 m tall; outer bark grey, c. smooth; inner bark yellowish, 2 mm thick; bery red; " buah jolay/mahajolai".

Hab. idem 1655. BO, AA(2) R(9)

55
1667 —

Tigapuluh Mts., Riau Province, 15 km SW of Talanglakat
on Renjut – Jambi Rd. Vicinity of Sungai Sesirih

0° 48′ S 102° 31′ E Alt c. 200m

1657 Artocarpus Moraceae

"[illegible] pulus". Tree c. 38 m tall; diam 46.7 cm; free branched c. 20 m tall; outer bark brownish grey, leticelate, inner bark yellow, 10 mm thick; white sap; fruit gree (young).

Hab. idem 1655. BO, AA(2) R(10)

1658 Aquilaria Thymelaceae

Tree c. 36 m tall; diam 22 cm; free branched c. 25 m tall; outer bark grey, scally, shallow ridge, inner bark yellowish, 5 mm thick; fruit green, abundance; "garu".

Hab. idem 1655. BO, AA (2) R(11)

1659 Girroniera Ulmaceae

Tree c. 25 m tall; diam 20.5 cm; free branched c. 15 m; outer bark grey, crack; inner bark yellow, c. 2 mm thick; fruit yellow.

Hab. idem 1655. BO, AA(2)

1660 - Sapindaceae

Tree c. 8 m tall; diam 10 cm; free branched c. 6 m tall; bark balckish grey, c. smooth; fruit pinkish.

Hab. idem 1655. BO, AA(2) R(12)

1661 Polyalthia Anonaceae

Tree c. 25 m tall; diam 18 cm; free branched c. 10 m tall; outer bark greyish brown; fruit gloucous green, plenty.

Hab. idem 1655.

BO,AA(2),R(6)

1662 Knema Myristicaceae

Tree c. 6 m tall; diam 6 cm; free branched c. 3 m tall; outer bark grey; fruit with brown indumentum.

Hab. idem 1655. BO,AA,R(6)

1663 Calophyllum Cluciaceae

Tree c. 25 m tall; diam 28 cm; free branched c. 15 m tall; outer bark grey; yellow sap; berry gloucous green; "bintangor".

Hab. idem 1655. BO,AA(2),R(9)

1664 Dysoxylum Meliaceae

Tree c. 10 m tall; diam 8 cm; free branched c. 6 m tall; cauliflora; young fruit reddish.

Hab. idem 1655. BO,AA,R(9)

1665 Antidesma E uphorbiaceae

Shrub c. 3 m tall; diam 2 cm; much branched; young leaf pink; flower yellow.

Hab. idem 1655. BO, AA, R(5)

24.XI.1988 - Sesirih

1667 - Araliaceae

Tree c. 9 m tall; diam 8.5 cm; monopodial; first leaf 8 m tall; pinnate leaf, rakhis 83-157 cm long, 11 pair with one leaf in the end; bark greenish brown, c. smooth; inner bark yellow, c. 2 mm thick; wood yellow; fruit green, abundance.

Primary forest, hill slope. BO, AA(2), R(10)

1668 - Euphorbiaceae

Tree c. 7 m tall; diam 10 cm; bark brown, crack; ramniflora; peduncle purple; calyx purple; fruit dull yellow.

Hab. idem 1667. BO,AA,R(2)

1669 -

Undershrub c. 1.5 m tall; diam 1 cm; much branched; berry pink.

Hab. idem 1667. BO, AA, R(3)

→ 1666 Antidesma . Tree c 8 m tall; ø 10 cm; free branched c. 4m tall; young leaf pink; fruit green (young)
BO, AA(2), R(11)

1670 - Anonaceae

Small tree c. 5 m tall; diam 5 cm; free branched 3 m tall; bark blackish brown; fruit bright green.

Hab. idem 1667.

1671 - Anonaceae

Small tree c. 5 m tall; diam 4.5 cm; free branched c. 1.5 m tall; bark brown 1 mm thick; leaf gloucous underneath; flower yellow, fragrance.

BO, AA

Hab. idem 1667.

1672 Gnetum Gnetaceae

Woody liana c. 8 mtall; diam 0.9 mm; dark brown bark; fruit pinkish, 1.2 mm diam.

Hab. idem 1667.

BO, AA, R(2)

1673 Psychotria Rubiaceae

Undershrub c. 2 m tall; diam 3 cm; less branched; fruit pale green.

Hab. idem 1667.

BO, AA

1674 - Sapotaceae

Tree c. 20 m tall; diam 26 cm; butress 0.5 m tall; free branched c. 10 mtall; outer bark brown, rugose; inner bark brown; white latex; leaf shining brown underneath; young fruit green with brown indumentum; "sungkup".

Hab. idem 1667.

BO, AA (2), R(4) NCI

1675 Psychotria Rubiaceae

Climber c. 3 m tall; diam 0.5 cm; leaf gloucous green; flower bud & petal gloucous green; stamen bright yellow at the base; anther white.

BO, AA

1676 - Anonaceae

Shrub c. 4 m tall; diam 3.5 cm; branched at the top; cauliflora; calyx dark green; petal greenish yellow.

Hab. idem 1667. BO. AA

1677 Dysoxylum Meliaceae

Tree c. 15 m tall; diam 17 cm; free branched c. 8 m tall; bark brown, crack; flower greenish white, fragrance.

Hab. idem 1667. BO, AA (2)

1678 -

Woody liana c. 10 m tall; diam 3 cm; calyx pale green; petal bright purple.

Hab idem 1667.

BO, AA(2) R(1)

1679 Gnetum Gnetaceae

Woody liana c. 10 m tall; diam 3 cm; fruit pale green, purplish at the tip.

Hab. idem 1667. BO, AA(2) R(4)

1680 Gardenia Rubiaceae

Tree c. 10 m tall; diam 18 cm; bark pale green; free barnched c. 5 m tall; fruit green.

Hab. idem 1667. BO, AA (2) R(6)

1681 - Euphorbiaceae

Tree c. 10 m tall; diam 6 cm; free branched c. 8 m tall; fruit pinkish-pink; leaf gloucous underneath.

Hab. idem 1667. BO, AA (2) R(8)

1682 - Zingiberaceae

Spurious stem c. 3 m tall; diam 2.5 cm; first leaf 1.5 m tall; fruit brown.

Hab. idem 1667. BO, AA, R.

1683 Shorea Dipterocarpaceae

"Meranti rambai". Tree c. 40 m tall; diam 55 cm; free ~~barn~~ branched c. 30 m tall; bark brown, rugose, longitudinal crack; inner bark reddish brown, 1.5 cm thick; wing fruit purple.

Hab. idem 1667.

Bo

1684 - Leguminosae

"Bohal". Small tree c. 5 m tall; diam 5 cm; much branched; pod brown.

Hab. idem 1667.

Bo

1685 - Anonaceae

"Salai-salai". Tree c. 9 m tall; diam 14 cm; cauliflora; free branched c. 6 m tall; outer bark grey; inner bark brown; wood yellow; fetid; fruit reddish brown.

Hab. idem 1667.

1686 - Meliaceae

Tree c. 15 m tall; diam 14 cm; free branched c. 8 m tall; outer bark dark brown; inner bark reddish brown; wood yellow, soft; fruit purple; aril bright red.

Bo, AA (2) R.

Hab. idem 1667.

1687 Syzygium Myrtaceae

Shrub c. 3 m tall; diam 3 cm; calyx tube pinkish; petal & stamen white.

Bo

Hab. idem 1667.

1688 Arenga Arecaceae

Solitary stem, c. 1.25 m tall; diam 15 cm; pinnate leaf with one leaf in the end like fan; stalk 2.5 m long; rakhis 7 m long; leaflets underneath slivery; termina inflorescens, 0.7 m long, peduncle brownish; flower sark purple; "hambo-lingam".

Hab. idem 1667; mostly on gully near the river, common.

Bo, AA, R(1)

25.XI.1988 - Sesirih

1689 Aporosa Euphorbiaceae

Tree c. 22.5 m tall; diam 24.5 cm; free branched c. 15 m tall; outer bark brown, crack; inner bark brown; wood yellow, hard; fruit yellowish green.

On gully near river sides. Bo(2) AA(2) R.

1690 Baccaurea Euphorbiaceae

Shrub c. 4 m tall; diam 4 cm; free branched c. 2 m tall; cauliflora & rhamniflora; fruit pink.

Hab. idem 1689. BO,AA,R(3)

1691 - Arecaceae

Solitary stem c. 1.8 m tall; diam 3 cm; inflorescens c. 1.6 m above ground; leaf sheath 0.35 m long; stalk 0.58 cm long; rakhis 170 cm long; peduncle pink; fruit greenish yellow.

Hab. idem 1689. BO.AA

1692 Mapania Cyperaceae

Stemless c. 0.75 m tall; young leaf pinkish; bract green; brown at the margin; stamen pure white.

Hab. idem 1689; common. BO,AA,R(2).

1693 Buchanania Anacardiaceae

Tree c. 15 m tall; diam 18 cm; free branched c. 8 m tall; bark brown, lenticelate; inner bark reddishbbrown; wood white, brownish in the midle; fruit gloucous green.

Hab. idem 1689; rare. BO(2),AA(2),R(11)

1694 Dillenia Dilleniaceae

Tree c. 30 m tall; diam 60 cm; free branched c. 18 m tall; outer bark brown,crack; flower bud dark green; calyx green; petal bright yellow; stamen purple; stigma pale purple.

Hab. idem 1689; common. BO,AA,R(10)

1695 - Zingiberaceae

Stemless c. 1.20 m tall; terrestrial inflorescens; bract pinkish white, transparan; calyx pinkish white; upper lip white, yellow in the centre, with two strips purple.

Hab. idem 1689; common, on moist place.

AA,BO

1696 Garcinia Cluciaceae

Tree c. 30 m tall; diam 26 cm; free branched c. 15 m tall; outer bark brown, rugose; inner bark yellow; wood white; yellow sap; young leaf pink (edible); calyx pale green, bright red at the margin; petal bright green; stigma pink; fruit pale green (edible); " asam gelugur".

Hab. idem 1689.

BO,AA,R(6)

1697 Urophyllum Rubiaceae

Small tree c. 5 m tall; diam 5 cm; much branched; berry green.

Primary forest, hill slope. BO,AA,R(2)

1698 - Arecaceae

Medium tuft, c. 3.5 m tall; diam 3 cm; leaf sheath 0.25 m long; stalk 0.30 m long; rakhis 1.60 m long; young leaf pinkish; inflorescens yellow; fruit green.

Hab. idem 1689; common. BO,AA

1699 Shorea parvifolia Dyer. Dipterocarpaceae (ESM)

Tree c. 50 m tall; diam 100 cm; butress c. 1.5 m tall; free branched c. 40 cm tall; outer bark brown, rugose, longitudinal crack; inner bark reddish brown, 1.8 cm thick.

Hab. idem 1697; scattered. AA

1700 Lasianthus Rubiaceae

Shrub c. 3 m tall; diam 2 cm; much branched; bery white.

Hab. idem 1697. BO,AA,R(5)

1701 Arallidium Araliaceae

Small tree c. 5 m tall; diam c. 8 cm; free branched c. 3 m tall; outer bark brown, lenticellate; wood yellow; fruit gloucous green.

Hab. idem 1697; common. BO(2),AA(2),R(5)

1702 Hanguana Flagellariaceae

Stemless c. 1.5 m tall; fruit green, diam 2 cm;

Hab. idem 1697; common. BO,AA,R

1703 Anisophyllea Rhizophoraceae

Shrub c. 3 m tall; diam 2 cm; much branched; fruit red.

Hab. idem 1697; common. BO(2),AA(2),R(8)

1704 Mallotus Euphorbiaceae

Tree c. 10 m tall; diam 9.5 cm; free branched c. 3 m tall; bark grey, lenticellate; fruit pinkish.

Hab. idem 1697; common. BO,AA(2),R(6)

1705 Amomum Zingiberaceae

Spurious stem c. 3.5 m tall; diam 2 cm; dark green; terestrial inflorescens.

Hab. idem 1697; rare. BO,AA

† 1706 Shorea ? parvifolia Dyer Dipterocarpaceae (AA)

Tree c. 40 m tall; diam 60 cm; butress 1.7 m tall; free branched 30 m tall; outer bark brown, crack; inner bark brownish red, 11 mm thick; wood yellow; fruiting wing purplish.

On gully near the river; scattered.

1707 Aporosa Euphorbiaceae

Small tree c. 6 m tall; diam 6 cm; free branched c. 4 m tall; rhamniflora; fruit orange.

Hab. idem 1706; rare. BO(2),AA(2),R(6)

1708 - Anonaceae

Small tree c. 4 m tall; diam 5 cm; much branched; leaf gloucous underneath; calyx green;petal yellow, fragrance; fruit green-reddish.

River sides; slightly open place.

1709 Litsea Lauraceae

"Manyar-manyar". Tree c. 30 m tall; diam 28 cm; outer bark brownish; free branched c. 25 m tall; slightly lateral branched; leaf greyish brown underneath; rhamniflora; fruiting calyx green; fruit waxy-green.

Hab. idem 1708; common. BO(2),AA(2),R(9)

1710 - Anonaceae

Small tree c. 6 m tall; diam 9 cm; much branched; rhamniflora; fruit dark green.

Hab. idem 1708; scattered. BO(2),AA(2),R(8)

1711 - Anonaceae

Shrub c. 2 m tall; diam 2 cm; less branched; cauliflora; fruit green.

Hab. idem 1708; rare. BO

1712 -

Undershrub c. 3 m tall; diam 3 cm; much branched; flower bud brown atthe tip; calyx green; corolla white, brown at the base, fragrance; fruit dark green.

Hab. idem 1708; rare BO(2),AA(2),R(3)

1713 Aglaonema Araceae

Stem c. 0.5 m tall; diam 3 cm; no branched; spatha yellowish green; female flower yellow; male flower white.

Hab. idem 1708; rare. BO,AA

1714 Leptaspis urceolata Poaceae

Herb c. 0.30 m tall; small tuft; glume brown, easy stack.

Hab. idem 1708; common. BO,AA,R(4)

1715 Selaginella Selaginellaceae

Herb c. 20 cm; frond brownish green uppersides.

Hab. idem 1708; sometimes growth on moist stone; common. BO,AA,R(4)

1716 Trichomanes Hymenophyllaceae

Terrestrial fern, c. 20 cm; very small tuft, sometimes solitary; frond shining dark green; sori brown.

Hab. idem 1715. BO,AA,R(5)

1717 Asplenium Asplenium Group

Terrestrial fern, c. 25 cm tall; mostly solitary; fron shining green; dori brown.

Hab. idem 1715. BO

1718 Trevesia Araliaceae

Monopodial shrub c. 8 m tall; diam 6 cm; petiole 0.99 m tall; lamina palmate, 6-9, 90 cm diam; inflorescens terminal, pedicels 0.60 m long; reddish brown farina.

Hab. idem 1708. BO,AA,R(5)

1719 - Araceae

Stemless c. 0.25 m tall; leaf dark green, purplish green underneath; spatha bright yellow.

Rheopite plant, on stone, shade place, common.

BO,AA,R(3)

1720 Labisia Myrsinaceae

Herb c. 0.30 cm tall; leaf brownish green.

Hab. idem 1708; common. BO

1721 Aglaia Meliaceae

Undershrub c. 1 m tall; diam 0.3 cm; fruit yellow.

Hab. idem 1708; rare. BO

1722 Aporosa Euphorbiaceae .

Tree c. 12 m tall; diam 20 cm; outer bark grey, papery; fruit orange, 12 mm diam.

Hab. idem 1708. BO, AA, NCI (4)

1723 Asplenium Asplenium Group

Epiphyte fern c. 0.60 cm tall; leaf dark green; sori brown.

Hab. idem 1708. BO

26.XI.'88

1724 Microcos Tiliaceae

Tree c. 10 m tall; diam 25 cm; bark c. smooth, dark brown; under bark orange; fruit red.

Aluvial forest near Sesirih Camp.

BO, AA, NCI (4)

1725 Callophyllum Cluciaceae

Tree c. 25 m tall; diam 32 cm; bark grey, tuberculate, 5 mm thick with yellow sap; under bark orange; fruit green, 30 mm diam.

Hab. idem 1724.

BO (2) AA (2) NCI, R(

1726 Payena Sapotaceae

Tree c. 25 m tall; diam 30 cm; bark reddish-brown, rugose tuberculate, 10 mm thick; white sap; under bark orange; leaves with cappery sheen on underside; Fruit green with rusty-brown tomentum, 15 mm diam; flower reddish brown.

Hab. idem 1724. BO (2) AA (2) NCI, R(4

1727 Aporosa Euphorbiaceae

Tree c. 30 m tall; diam 32 cm; bark reddish-brown, 4 mm thick; fissured and crumbly; inner bark reddish brown with watery sap. Fruit orangy yellow, 1.5 mm dia; seed coat pulpy, orange.

Hab. idem 1724. BO(2) AA(2) NCI, R

1728 Aporosa Euphorbiaceae

Tree c. 15 m tall; diam 15 cm; bark red-brown, minutely flacky; fruit glabrous, orange; seed coat bright orange.

Hab. idem 1724. BO(2) AA(2) NCI, R

1729 Cnestis Connaraceae

Climber to 15 m; 4 cm diam; fruit yellow and red.

Hab. idem 1724.

1730 Peliosanthes teta Liliaceae

Herb c. 0.35 m tall; small tuft; fruit whitish green.

Hab. idem 1724.

1731 Mucuna Leguminosae

Liana c. 8 m tall; 15 cm diam; calyx green covered with sting brown hairs; wing & standard purple; staminal tube greenish white; anther yellow.

Hab. idem 1724. BO, AA, R(2)

1732 Ficus Moraceae

Woody climber c. 6 m tall; fig gloucous white with dark green at the top.

Hab. idem 1724. BO(2) AA(2) R(6)

1733 Tiliaceae

Woody liana c. 8 m tall; diam 1.5 cm; fruit dark green.

Hab. idem 1724. BO(2), AA(2) R(5)

1734 Nephelium Sapindaceae

Tree c. 25 m tall; diam 50 cm; butress to 2 m tall; bark reddish brown, tuberculate, 15 mm thick; under bark dark reddish brown; fruit green (immature).

Ridge above camp Sesirih, 200 m alt.

1735 Aquilaria Thymelaceae

Tree c. 25 m tall; diam 25 mm ; bark grey, deeply fissured; under bark stingy, white; fruit green, 15 mm diam.

Hab. idem 1734.

BO (2) AA (2) NCI, R(4)

1736 Santiria Burceraceae

Tree c. 20 m tall; diam 16 cm; bark grey-brown, flacky, rugose; under bark pale, 3 mm thick; fruit pinkish-red, 8 mm diam.

Hab. idem 1734.

BO(2) AA (2) NCI, R

1737 Mesua Cluciaceae

Tree c. 30 m tall; diam 32 cm; bark yellowish-brown, coarsely flacking; under bark reddish with clear yellow sap; fruit brown, 10 mm diam.

Hab. idem 1734.

BO, AA, NCI, R(2)

1738 Microcos Tiliaceae

Tree c. 35 m tall; diam 25 cm; bark brown, rugose, 10 mm thick; under bark orange red; fruit green, 10 mm diam.

Hab. idem 1734.

BO (2) AA (2) NCI, R

1739 Adinandra Theaceae

Tree c. 15 m tall; 15 cm diam; bark reddish-brown, rugose, tuberculate with lenticels in horizontal rows; fruit green 20-25 mm diam.

BO(2) AA (2) NCI, R(5)

Hab. idem 1734.

28.XI.'88

1740 Adinandra Theaceae

Small tree c. 6 m tall; 7 cm diam; fruit pelee green, 3 cm diam.

Sesirih river sides. BO, AA, R(3)

1741 Antidesma Euphorbiaceae

Shrub c. 4 m tall; diam 4.5 cm; fruit pink.

Hab. idem 1740. BO, AA, R(4)

1742 Ficus Moraceae

Tree c. 7.5 m tall; 10 cm diam; fruit green, 1 cm diam.

Hab. idem. 1740. BO(2) AA(2), R(6)

1743 Voacanga Apocynaceae

Tree c. 12 m tall; 15 cm diam; fruit brownish yellow, 10.5 cm diam; endocarp pale yellow; arilus reddish orange.

Hab. idem 1740. BO, AA, R(5)

1744 Asplenium Asplenium Group

Epiphyte c. 2 m tall abpve ground; dori brown.

Hab. idem 1740. BO, AA

29.XI.'88

1745 - Rubiaceae

Shrub c. 2 m tall; diam 2 cm; fruit yellowish green.

On ridge near Sesirih Camp. BO, AA, R(4)

1746 - Euphorbiaceae

Shrub c. 4 m tall; 5 cm diam; fruit yellowish green.

Hab. idem 1745. BO (2) AA(2) R(8)

1747 - Euphorbiaceae

Small tree c. 8 m tall; diam 8 cm; fruit brownish green.

Hab. idem 1745. BO (2), AA(2), R(4)

1748 -

Shrub c. 3 m tall; diam 3.5 cm; fruit yellowish green, 3 cm diam.

Hab. idem 1745. BO,AA,R(8)

1749 Aporosa Euphorbiaceae

Small tree c. 6 m tall; 5 cm diam; fruit yellowish green, 2 cm diam.

Hab. idem 1745. BO, AA(2) R(8)

1750 Gardenia Rubiaceae

Tree c. 12.5 m tall; 14 cm diam; fruit greenish, 4 cm diam.

Hab. idem 1745. BO(2), AA(2) R(6)

1751 - Rubiaceae

Small tree c. 3 m tall; 2 cm diam; corolla white; calyx greenish purple.

Hab. idem 1745. BO(2) AA(2) R(4)

1752 Ardisia Myrsinaceae

Shrub c. 3 m tall; diam 3 cm; corolla violet; fruit green.

Hab. idem 1745.

BO, AA

1753 -

Small tree c. 5 m tall; 3.5 cm diam; fruit green.

Hab. idem 1745. BO, AA, R(2)

175~~4~~5 -

Small tree c. 5 m tall; 4 cm diam; flower reddish green.

Hab. idem 1745.

BO, AA, R(2)

175~~5~~4 Knema

Small tree c. 5 m tall; 6 4 cm diam; fruit brownish yellow, 2.5 cm diam.

BO(2) AA(2) R(5)

Hab. idem 1745.

1756 Pometia Sapindaceae

Tree c. 8 m tall; 13 cm diam; flower greenish yellow.

Hab. idem 1745. BO (2) AA(2) R(8)

1757 - Anonaceae

Shrub c. 3 m tall; diam 3 cm.

Hab. idem 1745. BO

30.XI.'88

1758 - Anonaceae

Tree c. 10 m tall; diam 21 cm; outer bark brown; inner bark red; fruit brownish- green, 4 cm diam.

On ridge near Sesirih river.

BO(2) AA(2) R(7)

1759 - Meliaceae

Tree c. 12.5 m tall; diam 18 cm; fruit green c. 4 cm diam.

Hab. idem 1758.

BO(2) AA(2) R(2)

1760 Diospyros Ebenaceae

Tree c. 8 m tall; diam 9 cm; fruit brown.

Hab. idem 1758.

BO2, AA (2), R(8)

1761 Antidesma Euphorbiaceae

Tree c. 8 m tall; 18 cm diam; outer bark grey; inner bark red; fruit green.

Hab. idem 1758. BO(2) AA(2) R(2)

1762 Ficus Moraceae

Tree c. 7 m tall; diam 11 cm; fruit green.

Hab. idem 1758.

1763 - Anonaceae

Tree c. 15 m tall; diam 17 cm; fruit yellow.

Hab. idem 1758. BO, AA, R

1764 - Rubiaceae

Small tree c. 6 m tall; 4 cm diam; fruit green-pale green.

Hab. idem 1758. BO(2), AA(2) R(4)

1765 Eugenia Myrtaceae

Small tree c. 5 m tall; diam 6 cm; calyx reddish green; ovary pink.

Hab. idem 1758. BO,AA

1766 Gymnacranthera Myristicaceae

Tree c. 25 m tall; diam 34 cm; fruit grange; arillus cream.

Hab. idem 1758. BO,AA(2),R(5)

1767 Psychotria Rubiaceae

Shrub c. 3 m tall; diam 2.5 cm; fruit pale green.

Hab. idem 1758. BO, AA

1768 Dysoxylum Meliaceae

Tree c. 20 m tall; diam 24 cm; fruit pink; arillus red; garlyx smeel.

Hab. idem 1758. BO,AA, R (2)

1769 Salacia Proteaceae

Small tree c. 5 m tall; diam 6 cm; fruit brownish green.

Hab. idem 1758. BO(2) AA(2) R(6)

1770 Prunus Rosaceae

Shrub c. 3 m tall; diam 3 cm; fruit pale green; flower bud yellowish green. BO(2) AA(2) R(4)

1771 Aeschynanthus Gesneriaceae

Epiphyte, 10 m above ground on Dysoxylum tree.

Hab. idem 1758. BO, AA, R.

1772 Lycopodium Lycopodiaceae

Epiphyte c. 3 m above ground; frond dark green.

Hab. idem 1758. BO(2) AA(2) R(1)

1.XII.'88

1773 Urophyllum Rubiaceae

Small tree c. 5 m tall; diam 4.5 cm; fruit white.

Hab. idem 1758. BO (2) AA(2) R(9

1774 - Commelinaceae

Prostrate herb; flower grey; stamen yellow.

Sesirih river side, moist. BO(2) AA(2) R(2)

1775 Gonystylus Thymelaceae

Tree c. 22.5 m tall; diam 30 cm; fruit brownish 3 cm diam.

Hab. idem 1758. BO(2) AA(2) R (9)

1776 - Anonaceae

Shrub c. 3.5 m tall; diam 4.5 cm; flower pink.

Hab. idem 1758. BO(2) AA(2) R(2)

1777 -

Shrub c. 1.5 m tall; diam 0.5 cm; flower white.

Hab. idem 1758. BO, AA

1778 - Burseraceae

Tree c. 25 m tall; diam 43 cm; fruit yellowish.

Hab. idem 1758. BO(2) AA(2) R(8)

1779 - Burseraceae

Tree c. 15 m tall; diam 17 cm; fruit yellowish green.

Hab. idem 1758. BO(2), AA(2) R(5)

1780 - Dipterocarpaceae

"Rasak". Tree c. 30 m tall; diam 38 cm; flower cream.

Hab. idem 1758. BO(2), AA(2) R(7)

1781 -

Climber c. 12.5 m tall; diam 1.5 cm; fruit pale green.

Hab. idem 1758. BO, AA, R(3)

1782 - Dipterocarpaceae

Tree c. 35 m tall; diam 0.70 m;

Hab. idem 1758.

BO(2) AA(2), R(6)

1783 -

1784 Dacryodes Burceraceae

Tree c. 15 m tall; diam 17 cm.

Hab. idem 1758. BO, AA(2) R(2)

1785 - Myristicaceae

Tree c. 6 m tall; diam 5 cm.

Hab. idem 1758. BO(2) AA(2) R(8)

1786 Aporosa Euphorbiaceae

Small tree c. 5 m tall; diam 4 cm; fruit yellowish green.

Hab. idem 1758. BO (2) AA (2) R(6)

1787 Mallotus Euphorbiaceae

Tree c. 15 m tall; diam 18 cm; fruit green.

Hab. idem 1758. BO(2) AA(2) R(6)

1788 - Meliaceae

Tree c. 25 m tall; diam 42 cm; outer bark brown;

fruit yellowish brown.

Hab. idem 1758. BO(2) AA(2) R(7)

1789 Ardisia Myrsinaceae

Tree c. 6 m tall; diam 5 cm; flower red.

Hab. idem 1758. BO(2) AA(2) R(8)

1790 Garcinia Cluciaceae

"Balang-balang". Tree c. 10 m tall; diam 8 cm; outer bark black, flacking; calyx red; young fruit yellowish green.

Hab. idem 1758.

BO(2) AA(2) R(9)

1791 -

Shrub c. 3 m tall; diam 2.5 cm.

Hab. idem 1758.

1792 Artocarpus Moraceae

Tree c. 15 m tall; diam 18 cm; male fruit yellow; female fruit brown.

Hab. idem 1758.

2.XII.'88

1793 Anthocephalus cadamba Rubiaceae

Tree c. 15 m tall; diam 20 cm; unbranched until "umbrella" shaped canopy; bark dippled, grey; sterile material.

Secondary forest, logging road sides. (c. base camp)

BO, AA, R, NCI

1794 Melastoma Melastomataceae

Shrub c. 3 m tall; diam 3 cm; leaf violet undeneath; flower violet.

Sesirih river sides; 200-215 m alt.

BO, AA, R(2)

1795 Tetrastigma Vitaceae

Slender liana c. 3 m tall; fruit waxy-pink; "sibutile".

Hab. idem 1794; open place.

BO

1796 Begonia Begoniaceae

Herb c. 1.5 m tall; diam 1 cm; leaf reddish undeneath; corolla green, pinkish in the centre; fruit green.

Hab. idem 1784.

BO(2) AA(2), R(2)

1797 Xanthopylum Polygalaceae

Shrub c. 4 m tall; diam 5 cm; much branched; fruit green.

Hab. idem 1784; shade place.

BO, AA, R(3)

1798 - Gesneriaceae

Herb c. 0.10 m tall; diam 0.5 cm; calyx greenish violet; corolla violet, dark violet in the centre; filament violet; anther yellow.

Hab. iem 1784.

BO(2) AA(2) R(2)

1799 Brachyticium Musci

Leaf bright green; capsule green turning brown.

Hab. idem 1784; on rock.

BO, AA, R(2)

1800 Hymenophyllum Hymenophyllaceae

Fron shining green; stipe green; rhizome brown; indusium green.

Hab. idem 1784; on tree trunk. BO,AA

3.XII.'88 - G. Lancang ridges.

1801 - Flacourtiaceae

Shrub c. 4 m tall; diam 5 cm; free branched c. 1.5 m tall; fruit pink; rare.

BO,AA

1802 Baccaurea Euphorbiaceae

Small tree c. 7 m tall; diam 6 cm; fruit on base trunk; free branched c. 1.5 m tall; fruit purple.

BO,AA,R

1803 Polyosma Sabiaceae

Small tree c. 4 m tall; diam 3 cm; flower cream; fruit spicled pink.

BO(2),AA(2),R(3).

1804 Memecylon Melastomataceae

Shrub c. 5 m tall; diam 3.5 cm; less branched; fruit pale pink.

BO,AA,R(3)

1805 Diospyros Ebenaceae

Shrub c. 1.7 m tall; diam 1 cm; flower white; fruit green.

BO

1806 Shorea Dipterocarpaceae

Tree c. 45 m tall; diam 1.2 m; butress c. 4 m tall; bark reddish brown, flacking; tuberculate, fissured; wood yellow.

AA

1807 Gonystylus Thymelaceae

Small tree c. 8 m tall; diam 7 cm; bark dark brown; free branched 4 m tall; fruit brown.

BO,AA,R

1808 Baccaurea Euphorbiaceae

Small tree c. 6 m tall; diam c. 5 cm; fruit on base trunk, purple, plenty; free branched c. 4 m tall.

BO,AA,R(2)

1809 Mammea Cluciaceae

Tree c. 8 m tall; diam 10 cm; wood hard; outer bark brownish. Steril.

BO,AA,R

1810 - Euphorbiaceae

Shrub c. 4 m tall; diam 3 cm; flower green.

BO,AA,R(2)

1811 Endiandra Lauraceae

Shrub c. 3 m tall; diam 2 cm; flower cream; fragrance.

1812 - Rubiaceae

Shrub c. 2.5 m tall; diam 2 cm; calyx purplish; corolla pure white, fragrance.

1813 - Rubiaceae

Herb c. 5 cm tall; flower white; anther yellow.
On rock; moist and shade place.

1814 Antidesma Euphorbiaceae

Small tree c. 4 m tall; diam 3.5 cm; fruit pinkish.

1815 Diospyros Ebenaceae

Shrub c. 3 m tall; diam 2.5 cm; much branched; berry red.

1816 - Rubiaceae

Shrub c. 3 m tall; diam 2 cm; flower green.

1817 - Rubiaceae

Shurb c. 3.5 m tall; diam 3 cm; much branched; petal cream, anther purple.

1817 A. - Meliaceae

1818 Litsea Lauraceae

Shrub c. 2 m tall; diam 1.5 cm; flower yellow; stem rusty brown hairs tomentum.

1819 Dracaena Liliaceae

Shrub c. 3 m tall; diam 2 cm; flower green.

1820 Apocynaceae

Shrub c. 2.5 m tall; diam 3 cm; flower bud green.

1821 Gardenia Rubiaceae

Small tree c. 6 m tall; diam 3 cm; fruit green.

1822 Asplenium Asplenium Group

Solitary stem, stipe blackish; frond c.0.75 m long; scale brown; sori brown.

Locally abundance. BO,AA,R(3)

1823 Shorea Dipterocarpaceae

Tree c. 45 m tall; diam 0.70 cm; bark reddish brown; coarse, flacking; under bark red; butress c. 1 m tall.

AA

1824 Schefflera Araliaceae

Epiphyte c. 3 m tall; flower green.

BO,AA,R(5)

1825 Gardenia Rubiaceae

Shrub c. 2 m tall; diam 1 cm.

BO,AA

1826 - Zingiberaceae

Spurious stem c. 3.5 m tall; diam 2 cm; nodes 20-25 cm; first leaf c. 2 m tall ; leaf purple underneath; outer bract dark red; inner bract white transparan; labellum dark red with yellow at the margin; anther dark red.

BO,AA,R(2)

1827 Xerospermum Sapindaceae

Tree c. 10 m tall; diam 6 cm; free branched 6 m tall; fruit green.

BO,AA,R(3)

1828 Dacryodes Burceraceae

Tree c. 18 m tall; diam 20 cm; bark grey, flacky; fruit yellow.

BO,AA,R(3)

1829 - Anonaceae

Tree c. 20 m tall; diam 20 cm; free brnched c. 15 m tall; bark blackish grey, coarse, flacky, longitudinal; fruit green.

BO,AA,R(6)

1830 - Rubiaceae

Shrub c. 3 m tall; diam 3 cm; much branched; stipula red; calyx green; corolla cream; fruit pinkish; young leaf pink.

BO(2),AA(2),R(1)

1831 Pinanga Arecaceae

Solitary stem c. 3 m tall; flower c. 2 m above ground; peduncle pink; fruit pale green; lamina c. 1.5 m long, green with spots dark green.

BO

1832 - Anonaceae

Giant climber c. 10 m tall; diam 10 cm; rhamniflora; flower bud green; fruit green.

BO,AA

1833 - Zingiberaceae

Spurious stem c. 2.5 m tall, diam 1 cm, dark green and apots white; terrestrial inflorescens; petal yellow; staminode yellow with red margin; anther yellowish.

BO,AA,R

1834 Lindsaea Lindsaea Group

Terrestrial fern c. 0.60 m tall; short creeping rhizome; scale brown; frond shining green; sori brown.

1835 - Melastomataceae

Shrub c. 2 m tall; diam 1.5 cm; much branched; calyx tube pale yellow; corolla white.

BO,AA,R(7)

1836 Asplenium Asplenium Gr.

Stipe dark brown; frond shining green.

On rock.

BO,AA,R(6)

1837 Asplenium Asplenium Gr.

Stipe dark brown; frond shining green; indusium green.

On rock.

BO,AA,R(3)

1838 - Zingiberaceae

Spurious stem c. 0.60 m tall; leaf purple underneath; bract purple; petal whitelabellum white with yellow in the centre.

BO,AA,R(2)

1839 Dendrobium Orchidaceae

Epiphyte ; petal yellow; lip pale yellow with yellow and pale putple in the centre/at throat.

BO

1840 Artocarpus Moraceae

Small tree c. 4 m tall; diam 3 cm; much branched; fruit green, edible when ripe; "tembung beru".

BO(2),AA(2),R(3).

1841 - Meliaceae

Shrub c. 3 m tall; diam 3 cm; much branched; twig & rakhis with brown hairs; flower bud green.

BO,AA,R(2)

1842 Epiphyte c. 3 m tall; fruit waxy green. Piperaceae

Piper

BO,AA,R(5)

1843 - Anonaceae

Shrub c. 3 m tall; diam 3 cm; much branched; fruit pinkish yellow.

Sesirih river sides.

BO,AA

4.XII.1988 - Sesirih river sides; 300 m alt to saurce.

18

1844 Pinanga Arecaceae

Solitary stem c. 3 m tall; leaf sheath 40 cm long; rakhis 1.4 m long; frist leaf 30 cm; leaf pale green spots dark green.

BO,AA,R

1845 Pyrrosia Polypodiaceae

Saprofit on trunk. Frond silvery underneath; sori brown. slightly open place.

BO

1846 Trichomanes Hymenophyllaceae

Shrot creeping rhizoma; stipe pale brown; frond shining green; indusium pale green.

On rock, loccaly abundance.

BO,AA,R(4)

1847 - Sapindaceae

Shrub c. 2 m tall; diam 1 cm; much branched; fruit orange,

BO,AA,R(3)

1848 Cyrtandra Gesneriaceae

Shrub c. 2 m tall; diam 2 mm; cauliflora; calyx pale green; corola tube white, lobes purple.

BO,AA,R(3)

1849 Polyalthia Anonaceae

Tree c. 12 m tall; diam 10 cm; free branched c. 6 m tall; bark grey; wood yellow; fruit red.

BO,AA,R(4)

1850 - Rubiaceae

Small tree c. 5 m tall; diam 4 cm; young leaf pink; calyx green; corolla cream. BO,AA,R(4)

1851 - Meliaceae

Small tree c. 6 m tall; diam 5 cm; calyx green; petal pure white, reflexed, fragrance; anther yellow.

BO,AA,R(3)

1852 Cyrtandra Gesneriaceae

Herb c. 30 cm tall; under leaf purple; upper side variegated; bract purple; calyx purple; corolla tube yellow insides with purple spots on throath, brownish outsides.

BO,AA

1853 Litsea Lauraceae

Tree c. 25 m tall; diam 30 cm; free branched c. 15 m tall; Bark brown, coarsely rugose, tuberculate; rhamniflora; fruiting calyx green; fruit waxy-green, abundance.

BO,AA,R(3)

1854 Stelechocarpus burachol Anonaceae

Tree c. 25 m tall; diam 50 cm; fluted hard and sculpture; cauliflora; free branched c. 20 m tall; fruit brown, abundance.

BO,AA,R

1855 Alpinia Zingiberaceae

Spurious stem c. 2 m tall; diam 1.5 cm; first leaf 7.5 cm; bract, calyx, petal bright red; labellum red strips dark red; stamen red.

AA

1856 -

Shrub c. 2 m tall; much branched; calyx green; petal blue.

BO,AA

1857 Baccaurea Euphorbiaceae

Tree c. 15 m tall; diam 35 cm; trunk knobly, pale brown; cauliflora; peduncle pale gree-pinkish; flower bud purplish.

BO,AA,R(4)

1858 -

Shrub c. 3 m tall; diam 3 cm; much branched; calyx green; petal blue.

BO,AA,R(2)

1859 Dysoxylum Meliaceae

Small tree c. 8 m tall; diam 5 cm; young leaf pink; pinnate leaf 1.25 m long, 13 pairs; fruit dull green.

BO,AA,R(3)

1860 Litsea Lauraceae

Tree c. 20 m tall; diam 25 cm; free branched c. 15 m tall; bark brown, c. smooth; rhamniflora; twig with brown hairs tomentum; bract pale green; flower cream.

BO,AA,R(5)

1861 Villebrunea Urticaceae

Tree c. 8 m tall; diam 6 cm; flower white.

BO,AA,R(1)

1862 Cyrtandra Gesneriaceae

Herb c. 30 cm tall; leaf purple underneath; upperside variegated; bract purple; calyx purple; corolla tube yellow insides with purple spots on throath, brownish outsides.

BO,AA,R

1863 Santiria Burceraceae

Tree c. 20 m tall; diam 18 cm; free branched c. 15 m tall; bark brown rugose; inner bark yellow, 1 cm thick; wood yellow; fruit dark green c. 3 cm diam.

BO,AA,R(5)

1864 Antrophium Polypodiaceae

Short creeping rhizome; frond shining bluish green; sori brown.

On moist rock; shade place.

BO,AA,R

1865 - Rubiaceae

Herb c. 0.20 m tall; diam 0.5 cm; flower green.

BO,AA,R

1866 - Rubiaceae

Herb c. 0.10 m tall; leaf purplish; calyx purple; corolla pure white.

BO,AA,R

1867 - Zingiberaceae

Stem c. 2.5 m tall; leaf purplish underneath; inflorescens c. 10 cm above dround; corolla yellow.

BO

1868 - Polypodiaceae

Frond dark green; fertile frond dark brown.

Locally on wet rock, shade place.

BO

1869 - Acanthaceae

Herb c. 0.50 m tall; diam 0.5 cm; bract green; flower white.

BO

1870 - Rubiaceae

Herb c. 0.20 m tall; diam 0.5 cm; flower white.

BO,AA

1871 Corymborchis Orchidaceae

Herb c. 1 m tall; terrestrial; flower yellow.

BO,AA

1872 Ficus Moraceae

Tree c. 10 m tall; diam 12 cm; cauliflora; fig green-dull green spots white, abundance; milky latex.

BO,AA,R(5)

G. Lancang ridger ; 600 m alt.

1873 Vatica Dipterocarpaceae

Tree c. 34 m tall; diam 25.5 cm; fruit greenish brown; outer bark brown-grey; inner bark pale brown; sap wood pale yellow; "jangkang silengan"

BO,AA,R(6)

1874 Litsea Lauraceae

Tree c. 33 m tall; diam 32 cm; outer bark dark brown, c. smooth; inner bark pale brown; sap wood pale yellow; fruit yellowish green; "kayu lada"

BO,AA,R(6)

1875 Barringtonia Lecythidaceae

Tree c. 27.5 m tall; diam 33 .5 cm; outer bark brown, flacking; inner bark reddish brown; sap wood pale yellow; fruit brown; "putat"; exocarp pink, thick; mesocarp hard, yellowish brown; endocarp thin, yellow; seed pale yellow; fruit 7 cm diam.

BO,AA,R(3)

1876 - Euphorbiaceae

Small tree c. 2 m tall; diam 2 cm; fruit brown.

BO,AA,R(4)

1877 -

Shrub c. 2 m tall; diam 1 cm; fruit red.

BO,AA

1878 - Rubiaceae

Shrub c. 2 m tall; diam 1 cm; calyx whitish green; corolla white; fruit violet.

BO,AA,R(4)

1879 -

Epiphyte c. 4 m above ground; calyx yellow; corolla reflexed, white with yellow tip; stamen white; anther brown.

5.XII.'88 - on ridge near by Sesirih river.saurce.

1880 Dysoxylum Meliaceae

Tree c. 30 m tall; diam 45 cm; bark brown; inner bark pale brown, 8 mm thick; free branched c. 2 m tall; cauliflora; flower bud whitish green, abundance; "siancing".

BO,AA,R(3)

1881 - Polypodiaceae

Climber fern c. 3 m tall; diam 1 cm; stem dark green; scale brown; fertile frond dark green; dori brown.

BO,AA,R(2)

1882 Baccaurea Euphorbiaceae

Shrub c. 2 m tall; diam 3 cm; rhamniflora; fruit bright red.

BO,AA,R

1883 - Euphorbiaceae

Shrub c. 2 m tall; diam 1 cm; less branched; fruit pinkish.

BO,AA,R

1884 - Ahonaceae

Shrub c. 3 m tall; diam 2 cm; much branched; fruit green.

BO,AA,R(4)

1885 - Meliaceae

Monopodial shrub, c. 3 m tall; diam 3 cm; fruit bright red, 1 cm diam.

BO,AA

1886 - Apocynaceae

Shrub c. 2 m tall; diam 2 cm; much branched; white sap; flower yellow.

BO,AA,R

1887 Antidesma Euphorbiaceae

Shrub c. 4 m tall; diam 4 cm; rhamniflora & cauliflora; much branched; fruit bright red, abundance.

BO,AA,R(4)

1888 - Euphorbiaceae

Tree c. 15 m tall; diam 13 cm; leaf brownish underneath; fruit green, abundance.

BO,AA,R(3)

1889 - Anonaceae

Climber c. 10 m tall; diam 3 cm; fruit brown.

BO,AA,R(2)

1890 - Meliaceae

Small tree c. 8 m tall; diam 5 cm; much branched; fruit yellow turning red; rare.

AA,BO,R(2)

1891 - Polypodiaceae

Creeping rhisome; frond c. 0.25 m long; dark green; brown scale; sori brown;

On rock, river sides.

1892 - Polypodiaceae

Creeping rhizome c. 0.50 m long; scale brown; frond green.

On rock, river sides.

1893 Eugenia Myrtaceae

Small tree c. 6 m tall; diam 5 cm; much branched; flower pinkish; young fruit pinkish green.

River sides.

5.XII.'88 - G. Lancang ridges; 600 m alt.

1894 Eugenia Myrtaceae

Tree c. 42 m tall; diam 39,3 cm; outer bark brown; inner bark reddish brown, 3 mm thick; sap wood pale yellow; fruit red turning to dark violet, abundance.

1895 Bhesa Celastraceae

Tree c. 30 m tall; diam 25.7 cm; outer bark brownish grey; inner bark yellowish brown, 4 mm thick; sap wood pale yellow; calyx tube reddish; corolla reflexed dark red with yellow margin; stamen white.

1896 - Anonaceae

"Antui". Tree c. 32 m tall; diam 28.2 cm; outer bark dark grey with lenticel; inner bark reddish brown, 1.5 mm thick; sap wood pale yellow; calyx green; corolla yellowish green, fragrance.

1897 -

"Melutung puyuh". Tree c. 35 m tall; diam 33.4 cm; outer bark dark grey, flacking; inner bark oale yellow, 10 mm thick; sap wood pale yellow; fruit red.

1898 -

"Urat rusa". Tree c. 41 m tall; diam 62 cm; outer bark brown, fissured; inner bark yellowish brown, 10 mm thick; sap wood pale yellow; fruit greenish grey.

1899 -

"Genitri". Tree c. 35 m tall; diam 30 cm; outer bark brown, rugose; inner bark reddish; sap wood pale yellow; flower bud green.

1900 Canarium Burseraceae

Tree c. 27 m tall; diam 24.7 cm; outer bark grey, c. smooth; inner bark reddish brown, 3 mm thick; sap wood pale yellow; young fruit green.

1901 -

Small tree c. 12 m tall; diam 7.7 cm; outer bark grey, c. smooth inner bark brown; calyx green; corolla yellow.

1902 -

Climber c. 35 m tall; diam 5 cm; young fruit green.

1903 -

Small tree c. 8 m tall; diam 6 cm; fruit pale yellow.

1904 -

"Tapah". Tree c. 30 m tall; diam 18 cm; outer bark black, c. smooth; inner bark pale yellow, 3 mm thick; sap wood pale yellow; flower bud white-greenish white.

BO,AA,R

1905 Meliosma Sabiaceae

Tree c. 7 m tall; diam 6 cm; flower white; fruit red.

BO,AA,R(2)

1906 -

Small tree c. 6 m tall; diam 5 cm; fruit red.

BO,AA

1907 -

Small tree c. 7 m tall; diam 5 cm; flower white.

BO,AA,R(7)

1908 Galearia Euphorbiaceae

Shrub c. 3 m tall; diam 3 cm; flower bud green.

BO,AA,R

1909 Garcinia Cluciaceae

Small tree c, 6 m tall; diam 5 cm; young fruit green.

BO,AA,R(2)

1910 - Rubiaceae

Small tree c. 7 m tall; diam 8 cm; young fruit green.

BO,AA,R(4)

1911 -

Climber c. 2 m tall; diam 0.5 cm; young fruit green.

BO

1912 -

Climber c. 20 m tall; diam 2 cm; young fruit green, reddish brown whren ripe.

AA

1913 Gardenia Rubiaceae

Small tree c. 8 m tall; diam 6 cm; fruit green.

BO,AA,R(2)

<u>6.XII.'88</u> - G. (?) Lolongankayu ridges; 300-550 m alt.

1914 Dysoxylum Meliaceae

Tree c. 14 m tall; diam 12 cm; free branched c. 4 m tall; bark brown, rugose; fruit bright red.

BO,AA,R(5)

1915 Lithocarpus Fagaceae

Tree c. 35 m tall; diam 60 cm; free branched c. 20 m tall; outer bark grey, deeply fissured; under bark reddish, 10 mm thick.

AA

1916 Alpinia Zingiberaceae

Prev. number 1855.

AA,BO

1917 - Burceraceae

Prev. number 1863; flower bud green.

BO,AA

1918 Microcos Tiliaceae

Shrub c. 5 m tall; diam 5 cm; much branched; bark brown; fruit green.

BO,AA,R(4)

1919 - Anonaceae

Climber c. 5 m tall; diam 3 cm; fruit yellowish green, diam 5 cm; calyx green; corolla yellow.

BO.AA

1920 Agelaea Conaraceae

Climber c. 8 m tall; diam 3 cm; fruit bright orange. Open place.

BO,AA,R(3)

1920 A Antrophium Polypodiaceae

Epiphyte c. 3 m above ground; frond shining dark green; sori brown.

BO

1921 Polyalthia Anonaceae

Tree c. 15 m tall; diam 15 cm; bark grey, shallow grooves; fruit withnbrown indumentum.

BO,AA,R(4)

1922 Lithocarpus Fagaceae

Tree c. 40 m tall; diam 80 cm; outer bark brown, longitudinal cracky, granular.

BO,AA

1923 Diospyros Ebenaceae

Tree c. 15 m tall; diam 15 cm; bark blackish; inner bark yellow, 2 mm thick; rhamniflora

BO

1924 Microcos Tiliaceae

Tree c. 10 m tall; diam 13 cm; bark brown, tuberculate; inner bark reddish brown, 10 mm thick; calyx pinkish green; petal yellow; stamen & anther bright yellow.

BO,AA,R(4)

1925 Diospyros Ebenaceae

Tree c. 15 m tall; diam 15 cm; bark blackish; fruit rhamniflora.

BO,AA,R(6)

1926 Mamea Cluciaceae

Tree c. 25 m tall; diam 27 cm; free branched c. 18 m tall; outer bark light brown,c. fine, longitudinal crack; under bark orange; fruit brown.

1927 Myristicaceae

Tree c. 8 m tall; diam 6 cm; free branched c. 6 m tall; bark light brown; fruit with brown hairs indumentum.

1928 - Zingiberaceae

Stemless c. 1 m tall; terestrial inflorescence, c. 50 cm long; petal pale yellow, transparan; labellum yellow with dark yellow at hthe centre, two strips purple until the troath; staminode white. Locally. BO,AA

1929 Antrophium Polypodiaceae

Epiphyte c. 2 m above ground; leaf dark green, shinning upper sides. Shade place.

BO

G. Lancang ridges; 600 m alt.

1930 Lithocarpus Fagaceae

"Kedondong baru". Tree c. 46 m tall; diam 48 cm; outer bark grey, rugose; inner bark reddishbbrown, 10 mm thick; sap wood pale yellow; fruit greenish brown.

1931 Callophyllum Cluciaceae

"Bintangur". Tree c. 40 m tall; diam 28.5 cm; outer bark grey, c. smmoth; flower bud white; inner bark yellow, 5 mm thick; sap wood yellow. BO,AA,R(6)

1932 - Dipterocarpaceae

Tree c. 17 m tall; diam 15 cm; outer bark grey, c. smooth; inner bark pale yellow, 3 mm thick; sap wood pale yellow; fruit green with white stansparan gum.

1933 - Cornaraceae

Climber c. 40 m tall; diam 5 cm; fruit greenish yellow and red from the midle to the tip.

1934 -

Climber c. 15 m tall; diam 5 cm; fruit green.

1935 Garcinia Cluciaceae

"Balang-balang". Tree c. 18 m tall; diam 5 cm; bark grey; fruit whitish green.

BO,AA,R(7)

1936 - Myristicaceae

Tree c. 15 m tall; diam 16 cm; fruit yellowish brown; outer bark grey; inner bark pale yellow with red latex.

BO,AA,R(6)

1937 Polyalthia Anonaceae

Tree c. 15 m tall; diam 16 cm; outer bark black-dark grey; c. smooth; inner bark pale yellow, fibrous; sap wood pale yellow; fruit dark green.

BO,R,AA

1938 -

Tree c. 18 m tall; diam 15 cm; outer bark grey, c. smooth; inner bark pale yellow, 5 mm thick; sap wood pale yellow; fruit green.

BO,AA,R(6)

1939 - Flacourtiaceae

Tree c. 15 m tall; diam 16 cm; bark grey, c. smooth; young fruit green.

BO,AA,R(8)

1940 -

"Keranji". Shrub c. 2 m tall; diam 1.5 cm; flower bud greenish brown.

1941 -

Shrub c. 2 m tall; diam 1 cm; flower bud white.

7.XII.'88. G. Lolongankayu riger.

1942 - Anonaceae

Tree c. 18 m tall; diam 15 cm; free branched 15 m tall; outer bark brown, fine crack; inner bark red; under bark yellowish, 0.8 mm thick; wood yellow, soft; flower bud green; fruit gloucous green.

BO,AA,R(10)

1943 Pinanga Arecaceae

Solitary palm, c. 6 m tall; diam 4 cm; inflorescen c. 5 m above ground; leaf sheath around, 0.4 m long; stalk 0,6 m long; lamina 1.4 m long; peduncle red; calyx black; fruit pink.

BO,AA

1944 Sandoricum Meliaceae

Tree c. 16 m tall; diam 14 cm; free branched c. 14 m tall; outer bark greyish brown, fine crack; inner bark pale brown; wood pale brown; fruit brown.

BO,AA,R(7)

1945 -

Shrub c. 2 m tall; diam 2 cm; perianth green reflexed; ovary with white hairs.

BO,AA,R

1946 Capparis Capparidaceae

Climber c. 3 m tall; diam 1 cm; calyx green reflexed; petal pure white with two petal upper side pale purple at the margin; filament white; anther bluish; stigma green; fragrance.

BO,AA,R

1947 Dysoxylum Meliaceae

Shrub c, 2 m tall; diam 2 cm; monopodial; fruit hang down, red.

BO

1048 Antidesma Euphorbiaceae

Shrub c. 2 m tall; diam 3 cm; much branched; berry pink turning purple.

BO,AA,R(2)

1049 - Icacinaceae

Shrub c. 1.75 m tall; diam 1 cm; calyx green; corolla tube greenish-white; lobes white with white hairs.

BO,AA,R(4)

1050 Ardisia Myrsinaceae

Shrub c. 3 m tall; diam 3 cm; much branched; fruit with specled grey.

1051 - Theaceae

Shrub c. 6 m tall; diam 5 cm; much branched ; bark light brown; calyx pale green; petal pale yellow; anther yellow; young fruit pinkish at the tip.

1052 Elaeocarpus Elaeocarpaceae

Small tree c. 8 m tall; diam 6 cm; much branched; bark dark brown; calyx green; corolla pinkish; disk yellow; stamen purple; ovary pink.

1053 - Ulmaceae

Small tree c. 6 m tall; diam 5 cm; much branched; fruit purple stips green, 2.5 cm diam.

1954 - Euphorbiaceae

Shrub c. 4 m tall; diam 3 cm; much branched; fruit pale green-yellow.

1955 Lithocarpus Fagaceae

Tree c. 14 m tall; diam 13 cm; free branched c. 10 m tall; outer bark greyish brown; under bark brownish red; fine crack, longitudinal rib; young leaf pink; spika grey.

1956 Garcinia Cluciaceae

Small tree c. 8 m tall; diam 6 cm; free branched c. 6 m tall; bark dark brown, yellow sap; fruit green strips white.

1957 Dillenia Dilleniaceae

Small tree c. 8 m tall; diam 6 cm; much branched; calyx green; corolla pure white; stamen brownish; anther white.

1958 Diospyros Ebenaceae

Tree c. 18 m tall; diam 17 cm; outer bark dark brown-black; fruit yellow.

G. Lancang ridges; 600 m alt.

1959 Garcinia Cluciaceae

"Manggis burung". Tree c. 10 m tall; diam 10 cm; outer bark brown, c. smooth; inner bark reddish brown, 3 mm thick; sap wood yellow; young fruit pale green.

1960 - Polygalaceae

Small tree c. 5 m tall; diam 4 cm; young fruit pale green.

1961 -

Small tree c. 12 m tall; diam 6 cm; bark yellow; young leaf reddish brown; flower white; young fruit green turning red.

1962 Eugenia Myrtaceae

Tree c. 40 m tall; diam 60 cm; outer bark yellowish brown; inner bark reddish brown, 10 mm thick; sap wood pale yellow; flower white.

1963 -

Shrub c. 3 m tall; diam 3 cm; flower bud pale green.

1964 - Lauraceae

Tree c. 45 m tall; diam 72 cm; outer bark brown, flacking; inner bark reddish brown, 1.5 cm;thick; dap wood pale yellow; fruit green.

1965 Ardisia Mirsinaceae

Shrub c. 3 m tall; diam 2 cm; flower bud greenish white; flower white.

1966 -

Shrub c. 3 m tall; diam 2 cm; fruit green.

1967 -

"Sarang tupai". Small tree c. 12 m tall; diam 8.8 cm; outer bark greyish white; inner bark greenish yellow; sap wood pale yellow; young fruit green.

1968 -

Climber c. 20 m tall; diam 4 cm; calyx brown.

1969 -

Tree c. 25 m tall; diam 20 cm; outer bark pale grey, c. smooth; inner bark yellow; sap wood pale yellow; fruit green.

1970 -

Tree c. 20 m tall; diam 18 cm; outer bark brown, rugose; inner bark pale brown, c. 5 mm thick; sap wood pale yellow.

1971 -

"Genitri". Tree c. 29 m tall; diam 26.7 cm; outer bark brown, rugose; inner bark reddish brown, 5 mm thick; sap wood pale yellow.; flower bud greenish white.

1972 -

Tree c. 18 m tall; diam 14.5 cm; outer bark black; inner bark yellowish brown, 5 mm thick; sap wood pale yellow; young fruit gree./

1973 -

"Barak api". Tree c. 17 m tall; diam 11.5 cm; young fruit greenish grey; outer bark grey, smooth; inner bark yellowish brown; sap wood pale yellow.

1974 Bouea Cluciaceae

Tree c. 20 m tall; diam 32 cm; outer bark dark grey, c. smooth; inner bark light brown, 5 mm thick; sap wood pale yellow; young fruit green, yellow when ripe, edible.

1975 - Zingiberaceae

Shrub c. 2 m tall; diam 2 cm; first leaf 0.8 m tall; flower red.

1976 -

"Sontul". Tree c. 28 m tall; diam 24 cm; outer bark greenish yellow; inner bark pale brown, 3 mm thick; flower bud greenish red; corolla cream; fruit greyish green; sap wood pale yelow; young leaf reddish brown.

1977 Ixora Rubiaceae

Small tree c. 8 m tall; diam 8 cm; bark dark brown; flower red; young fruit red turning green than black.

1978 - Anonaceae

Tree c. 12 m tall; diam 15 cm; outer bark black; rugose; inner bark yellowish brown, fibrous; sap wood pale yellow; flower yellow.

1979 -

Tree c. 15 m tall; diam 10 cm; flower greenish white; fruit green; puter bark brown, c. smooth; inner bark yellowish brown, 3 mm thick; sap wood yellow.

1980 -

Tree c. 15 m tall; diam 10 cm; bark grey, c. smooth; fruit pale green.

1981 Shrub c. 3 m tall; diam 7 cm; flower white.

BO,AA,R(4)

1982 -

"Gersik". Tree c. 22 m tall; diam 14.1 cm; outer bark dark brown; inner bark brown, 3 mm thick; sap wood pale yellow; flower bud greenish white.

BO,AA,R(5)

1983 Shorea Dipterocarpaceae

AA

1984 Gardenia Rubiaceae

"Lalui jantan". Tree c. 12 m tall; diam 15 cm; outer bark dark grey; inner bark yellowish brown; sap wood yellow; fruit green.

BO,AA

1985 -

Small tree c. 12 m tall; diam 7 cm; bark dark grey, c. smooth; flower greenish white; young fruit green turning yellow, red when ripe.

BO(2),AA(2),R(7)

1986 -

Shrub c. 3 m tall; diam 3 cm; bark grey; fruit green.

BO

1987 - Orchidaceae

Epiphyte; flower yellow.

BO

<u>8 Dec. 1988</u> - Sesirih source to Sesirih Camp Ridges, between 300-500 m on metamorphic rocks.

1988 Dipterocarpus

Wing of fruit pale green.

BO,AA

1989 Shorea

Wing of fruit wine-red.

BO,AA

1990 Dipterocarpus

Wing of fruit red. AA

1991 Shorea

Wing of fruit pale-pink- to reddish.

BO,AA

1992 Hopea

Wing of fruit green. AA

1993 Shorea

Fruit turning dark brown (no leaf)

AA,BO

1994 Dipterocarpus

Wing of fruit red. On valley of tributary of S. Gangsal.

1995 Scapium Sterculiaceae

Fruit wing bright green.

BO,AA

<u>9 Dec. 1988</u> - near base camp, ladang, wet soil beside stream.

1996 Ludwigia Onagraceae

Trailing herb c. 1 m tall; perianth green with prominent yellow stamens and style. Fruit turning brown at dehiscence.

BO,AA,R(5)

27.XI. 1988 - around Sesirih base camp.

1997 - BO,AA,R(7)

1998 - BO(2),AA(2),R(14) R(1$BO(2),AA(2)

1999 - BO(2),AA(2),R(8)

2000 - Clibadium - Asteraceae (BO)

2001 - AA,BO,R

2002 - 1793

2003 - BO(2),AA(2),R(9)

2004 - AA,BO,R

2005 - BO,AA

2006 - BO,AA,R(2)

2007 Urophyllum Rubiaceae

Small tree c. 6 m tall; diam 5 cm; slightly vertical branched; fruit pale green.

BO,AA,R(8)

2008 Clerodendrum Verbenaceae

Herb c. 1.5 m tall; calyx dark red.

BO,AA,R(2)

2009 Sterculia Sterculiaceae

Undershrub c. 1.5 m tall; diam 1.5 cm; carpel bright red.

BO

2010 Tetrastigma Vitaceae

Liana c. 4 m tall; 1.5 cm diam; fruit pink.

BO,AA,R(5)

2011 Trichomanes Hymenophyllaceae

Solitary or very smaal tuft; frond dark green; sori brown. On rock, wet. BO,AA

2012 Shorea

2013 Shorea

2014 Shorea

2015 - Orchidaceae

Epiphyte on tree trunk, 3 m above ground; fruit green.

BO

2016 - Anonaceae

Shrub c. 4 m tall; diam 3 cm; fruit green.

2017 Callophyllum Cluciaceae

Steril. BO

2018 Dillenia Dilleniaceae

Small tree c. 8 m tall; diam 7 cm; flower bud gloucous green.

BO

2019 = 1739

2020 Diospyros Ebenaceae

Tree c. 30 m tall; diam 15 cm; outer bark dark grey, c. smooth; inner bark ywllowish brown; young fruit green.

BO

2021 Mallotus Euphorbiaceae

Tree c. 10 m tall; diam 12 cm; fruit greyish red.

BO

2022 - Anonaceae

Climber c. 40 m tall; diam 5 cm; fruit green.

BO

2023 Scapium Sterculiaceae

Tree c. 25 m tall; diam 22 cm; flower bud yellowish green.

BO

2024 Ardisia Myrsinaceae

Shrub c. 3.5 m tall; diam 3 cm; less branched; fruit greyish spots white.

BO , AA , R(A)

2025 Shorea

AA

2026 Clerodendrum Verbenaceae

Undershrub c. 1 m tall; diam 1 cm; calyx green; corolla tube white, lobes white; stamen purplish.

BO , AA , R

2027 Dilleniaceae

Woody liana c. 6 m tall; fruit pale green. BO, AA, R

2028 Asplenium Asplenium Group

Stipe brownish black; frond shining green; sori brown.

On wet rock.

BO, AA, R(2)

2029 Shorea Dipterocarpaceae

Tree c. 30 m tall; diam 25 cm. BO

2030 -

Woody liana c. 4 m tall; diam 1 cm; fruit green.

BO

2031 - Acanthaceae

Herb c. 0.50 m tall; stem dark green; flower white.

BO

2032 Shorea Dipterocarpaceae

AA

2033 -

2034 Leguminosae

2035 - Melastomataceae

Undershrub c. 1.5 m tall; diam 1 cm; less branched; fruit pale green. BO

2036 - Myristicaceae

Tree c. 10 m tall; diam 15 cm; petal greenish brown out side, pale yellow inside.

2037 = 1738

2038 Begonia Begoniaceae

Herb c. 0.20 m tall; leaf reddish; fruit papery white.

BO

2039 Ixora Rubiaceae

Shrub c. 5 m tall; diam 5 cm; much branched; flower orange.

BO

2040 Mallotus = 19AA BO + 6X

2041 Cayratia = 19AE Bo + 3X

2042 = 19AF BO + !X

2043 Dipterocarpaceae AA

2044 - Zingiberaceae

Spurious stem c. 3 m tall; diam 2.5 cm; terrestrial inflorescens. BO

2045 Pinus merkusii

BO + 4X

Mt. Kerinci
2046

2046 Asteraceae BO

2047 Liana BO

2048 Rhododendron BO,AA,R

2049 Gaultheria BO,AA

Note

The number from 1997-2049 are the rest collection without number on the field notes book. Sometimes found new number that already have before like 2037 = 1738 or the number belonged to Agus or Razali like 2040 = 19AA; the notes on this rest number mostly comes from the tag on specimens, but same have no note.